

the brightest  
product solutions from  
**A TOTAL SPECTRUM  
OF INNOVATION**

For everything from heavy-to-medium stock removal, to fine finishing, to light blending and polishing, coated abrasive products are available in many shapes, abrasive grains, specialty coatings and backing configurations to meet many application needs.



**Blaze Your Way to Greater Productivity**

The latest-generation, cooler cutting ceramic abrasive grain of Norton Blaze delivers highest productivity on stainless steel, titanium, and super alloys.



**Unleash the Controlled Heat**

Achieve the highest productivity on mild carbon steel, stainless, and ferrous metals under the toughest conditions from stock removal to quality finish



**True Blue - Reinvented**

Delivering success on a wide range of materials; the better choice for stainless, alloys, steel to cast iron and high-pressure applications.

The strongest of coated abrasive discs with resin over resin construction on heavy-duty fiber backing. Designed for applications ranging from heavy stock removal to surface blending. Used with back-up pads on portable angle grinders.

- Applications: Stock removal, edge chamfering, weld blending, deburring/deflashing, rust removal, cleaning and finishing
- Size Range: 4" x 5/8" hole, 4-1/2" – 9-1/8" x 7/8" and 5/8"-11 hole
- Grit Range: 16 – 120
- Abrasive Grain: Ceramic Alumina, Zirconia Alumina Blend, and Aluminum Oxide
- Product Options: Conventional, Speed-Change hubs (5/8-11"), and AVOS technology
- Accessories: Air-cooled, smooth-faced, and AVOS back-up pads
- Machines Used:

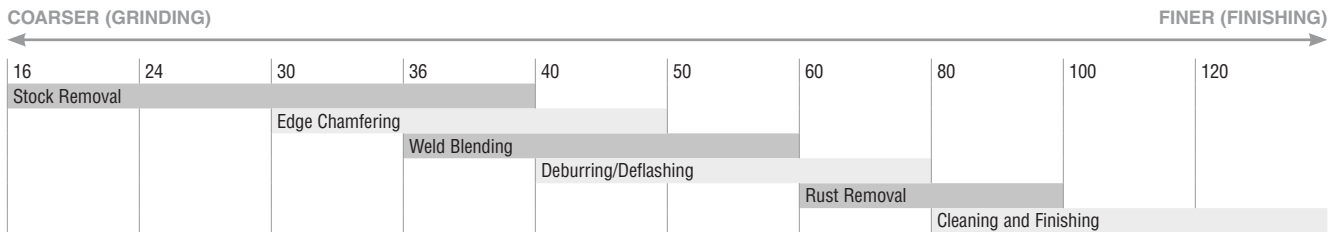


## MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE

|  | BEST<br>Highest Productivity;<br>Lowest Total Cost | BETTER<br>Excellent Blend of<br>Performance & Price | GOOD<br>Consistent Performance;<br>Low Initial Price |
|--|--|---|--|
| Stainless Steel / Titanium / Super Alloys* | Norton Blaze F980                                  | Norton BlueFire F826P                               | Norton Metal F240                                    |
| Mild Carbon Steel / Welds                  | Norton Red Heat F981                               | Norton BlueFire F826P                               | Norton Metal F240                                    |
| Ferrous Metals / Cast Iron                 | Norton Red Heat F981                               | Norton BlueFire F826P                               | Norton Metal F240                                    |
| Brass / Bronze / Aluminum                  | –  | –   | Norton Metal F240                                    |

\*Nickel/Cobalt Based – Hastelloy, Inconel, Waspalloy

## APPLICATION/GRIT RECOMMENDATION GUIDE



## CROSS REFERENCE GUIDE

|               | TOTAL PERFORMANCE |               | INITIAL PRICE       |                |
|---------------|-------------------|---------------|---------------------|----------------|
|               | BEST              | BETTER        | GOOD                |                |
| <b>NORTON</b> | Blaze F980        | Red Heat F981 | BlueFire F826P      | Metal F240     |
| 3M            | 985C, 982C        | 988C, 983C    | 501C                | 281C GreenCorp |
| Camel         | –                 | –             | Zirconia            | A/O            |
| Flexovit      | –                 | –             | Flexon              | High Perf      |
| GemTex        | –                 | –             | ZEE                 | A              |
| Hermes        | CB844X            | CB444X/J      | RB414X/J            | –              |
| Klingspor     | CS661             | –             | CS570, CS565        | CS561          |
| Metabo        | –                 | –             | Z/A                 | A              |
| Mirka         | –                 | –             | Blue A/Z, Gold A/Z  | Red A/O        |
| Pearl         | –                 | –             | Zirconia            | A/O Silver     |
| Pferd         | CO Cool           | CO            | Z Cool, Z           | A              |
| Sait          | 9S                | 8S            | 3Z, Z               | A, 2At         |
| SIA           | –                 | 4515          | 4815, 4819          | 4919           |
| Standard      | –                 | –             | Zirconia            | A/O            |
| VSM           | XF870             | XF750         | ZF745, ZF713, ZF714 | KF708          |
| Walter        | –                 | –             | Topcut, Inox        | –              |
| Weiler        | –                 | –             | Zirconium           | A/O            |

## The Perfect Product for Every Performance/Price Level



### Norton Blaze

Latest generation ceramic alumina abrasive provides the industry's fastest cutting discs and 50-200% longer life on stainless, titanium, and super alloys.



### Norton BlueFire

Durable zirconia abrasive blend for an increased cut rate and longer life over conventional zirconia products on high pressure applications.



### Norton Metal

Versatile aluminum oxide abrasive provides a good starting specification, and good performance, when initial price is the primary purchasing consideration.



## NORTON BLAZE F980 CERAMIC ALUMINA

**BEST CHOICE FOR STAINLESS STEEL, TITANIUM, AND SUPER ALLOYS**

### FEATURES

- Micro-fracturing ceramic alumina grain
- 100% ceramic alumina grain
- Self-lubricating, advanced supersize treatment
- Strong resin bond system
- Extra heavy-duty backing on 50 grit and coarse disc

### BENEFITS

- Constantly exposing sharper grain edges and improved grain life
- Significant cut rate and life over competitive blended/low-ratio ceramic alumina discs
- Minimizes heat, loading and glazing on stainless, titanium and super alloys
- Improved grain retention for longer life
- Increased life and durability

## NORTON RED HEAT F981 AND F981S CERAMIC ALUMINA

**BEST CHOICE/HIGHEST PRODUCTIVITY FOR MILD CARBON STEEL (F981), STAINLESS (F981S), AND FERROUS METALS**

### FEATURES

- Premium, self-sharpening full-ratio ceramic abrasive grain
- F981: durable, long lasting
- F981S: supersized grinding aid

### BENEFITS

- Faster initial cut rate, longer life and improved finishes versus competitive ceramic discs
- Great performance-to-price ratio
- Excellent starting specifications when the performance of ceramic is needed
- Excellent performance on carbon steel
- Minimizes heat and loading on stainless and aluminum

## NORTON BLUEFIRE F826P ZIRCONIA ALUMINA

**BETTER CHOICE FOR STAINLESS, SUPER ALLOYS, STEEL, CAST IRON AND HIGH-PRESSURE APPLICATIONS**

### FEATURES

- High-performance zirconia alumina abrasive blend
- Vendible 10-disc package

### BENEFITS

- 15% faster cut and longer life with less power draw than conventional zirconia discs
- Broad utility on a wide range of materials
- Ideal for vending machines, small jobs, or carrying to a job site

## NORTON METAL F240 ALUMINUM OXIDE

**GOOD CHOICE FOR SMALL JOBS, APPLICATIONS WHERE PERFORMANCE IS NOT MEASURED, AND PRICE-SENSITIVE OPERATIONS**

### FEATURES

- Multi-purpose aluminum oxide abrasive

### BENEFITS

- Consistent performance
- Versatile; works on numerous materials
- Lowest initial price





|            |                   |                      |                       |                        |                   |
|------------|-------------------|----------------------|-----------------------|------------------------|-------------------|
| TIER:      | <b>BEST</b>       | <b>BEST</b>          | <b>BEST</b>           | <b>BETTER</b>          | <b>GOOD</b>       |
| BRAND:     | Norton            | Norton               | Norton                | Norton                 | Norton            |
| TRADENAME: | <b>BLAZE F980</b> | <b>RED HEAT F981</b> | <b>RED HEAT F981S</b> | <b>BLUEFIRE F826P</b>  | <b>METAL F240</b> |
| ABRASIVE:  | Ceramic Alumina   | Ceramic Alumina      | Ceramic Alumina       | Zirconia Alumina Blend | Aluminum Oxide    |
| OTHER:     | Supersize         |                      | Supersize             |                        |                   |

| SIZE (D x H) | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|--------------|------|-----------|-------------|-------------|-------------|-------------|-------------|
| 4 x 5/8      | 24   | 25        |             |             |             |             | 05539510595 |
|              | 36   | 25        |             |             |             |             | 05539510594 |
|              | 50   | 25        |             |             |             |             | 05539510593 |
|              | 60   | 25        |             |             |             |             | 05539510592 |
|              | 80   | 25        |             |             |             |             | 05539510591 |
| 4-1/2 x 7/8  | 24   | 25        | 69957398000 | 77696008400 | 77696008462 | 66261138457 | 66623353309 |
|              | 36   | 25        | 69957398001 | 77696008401 | 77696008465 | 66261138456 | 66623353306 |
|              | 36   | 50 V      |             |             |             | 66623377276 |             |
|              | 50   | 25        | 69957398002 | 77696008402 | 77696008466 | 66261138454 | 66623353310 |
|              | 60   | 25        | 69957398003 | 77696008403 | 77696008467 | 66261138453 | 66623353311 |
|              | 60   | 50 V      |             |             |             | 66623377278 |             |
|              | 80   | 25        | 69957398004 | 77696008404 | 77696008470 | 66261138452 | 66623353312 |
|              | 80   | 50 V      |             |             |             | 66623377279 |             |
|              | 100  | 25        |             | 77696008405 |             |             | 66623353313 |
|              | 120  | 25        | 66254425332 | 77696008406 |             |             | 66623353314 |
| 5 x 7/8      | 16   | 25        |             |             |             |             | 05539510684 |
|              | 24   | 25        | 69957398005 | 77696008407 | 77696008480 | 66261138563 | 66623357276 |
|              | 36   | 25        | 69957398006 | 77696008412 | 77696008481 | 66261138562 | 66623357277 |
|              | 36   | 50 V      |             |             |             | 66623377283 |             |
|              | 50   | 25        | 69957398007 | 77696008413 | 77696008482 | 66261138561 | 66623357278 |
|              | 60   | 25        | 69957398008 | 77696008414 | 77696008483 | 66261138601 | 66623357279 |
|              | 60   | 50 V      |             |             |             | 66623377285 |             |
|              | 80   | 25        | 69957398009 | 77696008422 | 77696008484 | 66261138600 | 66623357280 |
|              | 100  | 25        |             | 77696008423 |             |             | 66623357281 |
|              | 120  | 25        | 66254409084 | 77696008425 |             |             | 66623357282 |
| 6 x 7/8      | 24   | 25        | 66261160033 |             |             |             |             |
|              | 36   | 25        | 66261160034 |             |             |             |             |
|              | 50   | 25        | 66261160035 |             |             |             |             |
|              | 60   | 25        | 66261160036 |             |             |             |             |
|              | 80   | 25        | 66261160037 |             |             |             |             |
| 7 x 7/8      | 16   | 25        |             |             |             |             | 05539510693 |
|              | 24   | 25        | 69957398010 | 77696010018 | 77696010006 | 66261138594 | 66623357283 |
|              | 36   | 25        | 69957398011 | 77696008429 | 77696010007 | 66261138593 | 66623357284 |
|              | 36   | 50 V      |             |             |             | 66623377287 |             |
|              | 50   | 25        | 69957398012 | 77696008430 | 77696010008 | 66261138592 | 66623357285 |
|              | 50   | 50 V      |             |             |             | 66623377289 |             |
|              | 60   | 25        | 69957398013 | 77696008431 | 77696010009 | 66261138591 | 66623357286 |
|              | 80   | 25        | 69957398014 | 77696008432 | 77696010011 | 66261138590 | 66623357287 |
|              | 100  | 25        |             | 77696008433 |             |             | 66623357288 |
|              | 120  | 25        | 66254411528 | 77696008436 |             |             | 66623357289 |
| 9-1/8 x 7/8  | 24   | 25        | 69957398015 | 77696008437 | 77696010012 | 66261138584 | 05539510702 |
|              | 36   | 25        | 69957398016 | 77696008440 | 77696010013 | 66261138583 | 05539510701 |
|              | 50   | 25        | 69957398017 | 77696008444 | 77696010017 | 66261138582 |             |
|              | 60   | 25        |             | 77696008449 |             |             | 05539510699 |
|              | 80   | 25        |             | 77696008452 |             |             |             |
|              | 100  | 25        |             | 77696008453 |             |             |             |

Note: Fiber discs must be used with back-up pads shown on the last page of this section.

V = Vendible Package. Ideal for vending machines and small jobs. 10 discs/package, 5 packages per standard carton. Order in multiples of 50.

## Speed-Change Fiber Discs

These fiber discs feature Norton quick, tool-free, twist-on and -off Speed-Change fasteners. Discs lock to standard back-up pads with a unique nut design and are easily removed, increasing your productivity with more time to grind.



|                   |                   |                      |                        |
|-------------------|-------------------|----------------------|------------------------|
| <b>TIER:</b>      | <b>BEST</b>       | <b>BEST</b>          | <b>BETTER</b>          |
| <b>BRAND:</b>     | Norton            | Norton               | Norton                 |
| <b>TRADENAME:</b> | <b>BLAZE F980</b> | <b>RED HEAT F981</b> | <b>BLUEFIRE F826P</b>  |
| <b>ABRASIVE:</b>  | Ceramic Alumina   | Ceramic Alumina      | Zirconia Alumina Blend |
| <b>OTHER:</b>     | Supersize         |                      |                        |

| SIZE (D x H)   | GRIT | STD. PKG. | PART #      | PART #      | PART #      |
|----------------|------|-----------|-------------|-------------|-------------|
| 4-1/2 x 5/8-11 | 24   | 25        | 66261023269 | 77696009735 |             |
|                | 36   | 25        | 66261185294 | 77696009737 |             |
|                | 50   | 25        |             | 77696009739 |             |
|                | 60   | 25        | 66261042247 | 77696009740 |             |
|                | 80   | 25        | 66623328529 | 77696009741 |             |
|                | 100  | 25        |             | 77696009746 |             |
| 5 x 5/8-11     | 120  | 25        |             | 77696009747 |             |
|                | 24   | 25        | 66254425336 | 77696009748 | 66261138797 |
|                | 36   | 25        | 66261185801 | 77696009749 | 66261138796 |
|                | 50   | 25        |             | 77696009750 |             |
|                | 60   | 25        | 66261185803 | 77696009752 |             |
|                | 80   | 25        | 66623316697 | 77696009753 |             |
| 7 x 5/8-11     | 100  | 25        |             | 77696009754 |             |
|                | 120  | 25        |             | 77696009755 |             |
|                | 24   | 25        | 69957349782 | 77696009759 | 66261138819 |
|                | 36   | 25        | 66261029863 | 77696009760 | 66261138818 |
|                | 50   | 25        |             | 77696009761 | 66261138817 |
|                | 60   | 25        | 66261042249 | 77696009762 | 66261138816 |
|                | 80   | 25        | 66254474373 | 77696009767 |             |
|                | 100  | 25        |             | 77696009771 |             |
|                | 120  | 25        |             | 77696009772 |             |

Note: Speed Change fiber discs must always be used with smooth face back-up pads, see next page for details.

## AVOS Fiber Discs

- Patented, see-through design allows interrupted cut which reduces heat up to 30% over standard discs
- The scooped holes create air flow to pull swarf away from grinding zone; cool cutting and extended product life
- 15° back-up pad for full utilization of discs – no gouging
- Quick, tool-free, twist-on and -off Speed-Lok fasteners



|                   |                   |                       |                        |
|-------------------|-------------------|-----------------------|------------------------|
| <b>TIER:</b>      | <b>BEST</b>       | <b>BEST</b>           | <b>BETTER</b>          |
| <b>BRAND:</b>     | Norton            | Norton                | Norton                 |
| <b>TRADENAME:</b> | <b>BLAZE F980</b> | <b>RED HEAT F981S</b> | <b>BLUEFIRE F826P</b>  |
| <b>ABRASIVE:</b>  | Ceramic Alumina   | Ceramic Alumina       | Zirconia Alumina Blend |

| SIZE                     | GRIT | STD. PKG. | PART #      | PART #      | PART #      |
|--------------------------|------|-----------|-------------|-------------|-------------|
| 4-1/2 Speed-Lok (3 hole) | 24   | 10        | 66254468389 | 77696008454 | 66261129718 |
|                          | 36   | 10        | 66254468390 | 77696008456 | 66261129719 |
|                          | 50   | 10        | 66254468391 | 77696008457 | 66261129720 |
|                          | 60   | 10        | 66254468392 | 77696008459 | 66261129721 |
|                          | 80   | 10        | 66254468393 | 77696008460 | 66261129722 |
| 5 Speed-Lok (3 hole)     | 24   | 10        | 66254468385 | 77696008471 | 66261126556 |
|                          | 36   | 10        | 66254468386 | 77696008474 | 66261126557 |
|                          | 50   | 10        | 66254468387 | 77696008475 | 66261126558 |
|                          | 60   | 10        | 66254468388 | 77696008477 | 66261126559 |
| 7 Speed-Lok (6 hole)     | 80   | 10        |             | 77696008478 | 66261126560 |
|                          | 24   | 10        | 66254468381 | 77696008485 | 66261137454 |
|                          | 36   | 10        | 66254468382 | 77696010001 | 66261137455 |
|                          | 50   | 10        | 66254468383 | 77696010002 | 66261137456 |
|                          | 60   | 10        | 66254468384 | 77696010003 | 66261137457 |
|                          | 80   | 10        |             | 77696010005 | 66261137458 |

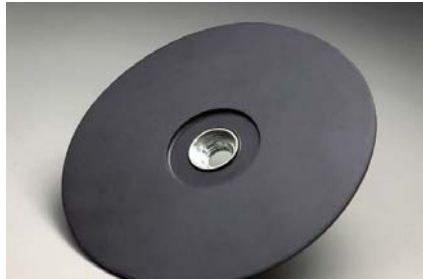
Note: AVOS fiber discs must be used with AVOS Speed-Lok back-up pads, see next page for details.



### Fiber Disc Accessories



**Air-Cooled Standard Back-up Pad**  
Slotted hub design and curved ribs draw heat away from the grinding zone, reducing disc loading and increasing life. All pads have a 5/8"-11 threaded female hub for mounting. We also offer a no-nose pad for shorter-shafted right angle grinders.



**Smooth Face Speed-Change Back-up Pad**  
Molded rubber back-up pads with a smooth face.

- Hard density pads are for aggressive cutting action
- Medium density pads are for all-purpose applications



**AVOS Fiber Disc Back-up Pad**

- Patented, see-through design allows interrupted cut which reduces heat up to 30% over standard discs
- The scooped holes create air flow to pull swarf away from grinding zone; cool cutting and extended product life
- 15° back-up pad for full utilization of discs – no gouging
- Quick, tool-free, twist-on and -off Speed-Lok fasteners

| DESCRIPTION  | MAX. RPM | STD. PKG. | PART #       |
|--|----------|-----------|--------------|
| <b>Rubber Back-up Pads</b>   |          |           |              |
| <b>Air-Cooled Standard</b>   |          |           |              |
| 4" Medium  | 12,000   | 5         | 63642504918  |
| 4-1/2" Medium  | 11,000   | 5         | 63642502122  |
| 5" Medium  | 10,000   | 5         | 63642543421  |
| 6"   | 8,500    | 1         | 66261160043  |
| 7" Hard  | 8,600    | 5         | 63642543425  |
| 7" Medium  | 8,600    | 5         | 63642543422  |
| 9" Hard  | 6,600    | 5         | 63642543426  |
| 9" Medium  | 6,600    | 5         | 63642543423  |
| <i>Note: Retainer nuts are not included with back-up pads. These must be ordered separately.</i> |          |           |              |
| <b>Air-Cooled No-Nose</b>  |          |           |              |
| 4-1/2" Medium  | 11,000   | 5         | 63642504872  |
| 5" Medium  | 10,000   | 5         | 63642503000  |
| 7" Medium  | 8,600    | 5         | 66254487375+ |
| <b>Smooth Face / Speed-Change</b>  |          |           |              |
| 4-1/2" Medium  | 20,000   | 5         | 66254492277  |
| 5" Medium  | 12,000   | 5         | 63642543235  |
| 7" Hard  | 8,600    | 5         | 63642543240  |
| 7" Medium  | 8,600    | 5         | 63642543245  |
| 9" Medium  | 7,000    | 5         | 63642543270  |
| <b>AVOS Speed-Lok Back-up Pads</b>   |          |           |              |
| <b>AVOS Triangular Speed-Lok Back-up Pads</b>  |          |           |              |
| 4-1/2" x 5/8-11  | 13,000   | 5         | 63642502985  |
| 5" x 3/8-24 Pistol Grip*   | 20,000   | 5         | 63642503029  |
| 5" x 5/8-11  | 13,000   | 5         | 63642502517  |
| 5" x 7/16-20 Pistol Grip*  | 20,000   | 5         | 63642503030  |
| *Use on air pneumatic and high-speed pistol grip sanders   |          |           |              |
| <b>Tools</b>   |          |           |              |
| #103 Retainer Nut  | —        | 10        | 63642543463  |
| Spanner Wrench   | —        | 5         | 63642543005  |
| 66NS Short Retainer Nut  | —        | 10        | 63642543461  |

+ Non-stock. Ask your Norton representative for current order quantities, lead-times, and quotation.

All fiber disc back-up pads are packed in individual boxes within the shipping carton. Each box can be used in a vending machine.



### Corner Store Convenience – Right on the Floor

Metal Fabrication Vending Solutions

– Industry's best selection of vendible abrasive solutions

See the many popular products conveniently pre-packed in small quantity packages

- Perfect for vending machines, pegboards, new test orders, small orders and jobs, and carrying cleanly to job site
- Pre-selected product assortment for optimal coverage of popular applications
- Available in fiber, flap, paper, and quick-change discs, belts, hand pads, depressed center, cut-off and bench wheels, mounted points, cones and plugs, and sharpening stones



Flap discs are versatile grinding and finishing tools having four main components: abrasive flaps, flap density (how the flaps are stacked), backing plate shape (flat or conical), backing plate material (fiberglass or plastic). All flap discs have flaps that are overlapped and glued to the backing plate. The flaps wear during use, exposing new abrasive grain. The different variations of the components above provide a variety of application choices ranging from heavy stock removal to blending to finishing. Flap discs are designed for portable grinder applications and can be the preferred choice over depressed center wheels or fiber discs.

|                         |  |
|-------------------------|--|
| Applications:           | Grinding, stock removal, edge chamfering/beveling, weld blending, deburring/deflashing, rust removal, blending, cleaning and finishing |
| Size Range:             | 4": 5/8" hole<br>4-1/2" - 7": 5/8"-11 discard mount, 7/8" hole, and 2" - 3" quick-change   |
| Grit Range:             | 24 - 120   |
| Abrasive Grain:         | Ceramic Alumina, Zirconia Alumina, and Aluminum Oxide  |
| Abrasive Flaps:         | Polyester, Cotton/Poly Blend   |
| Flap Disc Shape:        | Type 27 Flat and Type 29 Conical   |
| Abrasive Flap Density:  | Standard or high   |
| Backing Plate Material: | Fiberglass and plastic   |
| Machine Used:           |  |



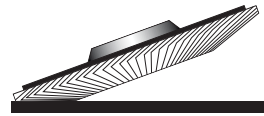
## FLAP DISC SHAPES



GRIND AT FLATTER ANGLES:  
**0° - 15°**

### Type 27 Flat – The Best Choice for Finishing

- Used primarily on flat surfaces
- The best choice for blending and smooth finishing



GRIND AT STEEPER ANGLES:  
**15° - 25°**

### Type 29 Conical – The Best Choice for Aggressive Stock Removal

- Conical flap discs have angled flaps and may be used on both contoured and edge work
- The angle provides greater surface contact for stock removal on flat surfaces
- The best choice when speed and stock removal are primary considerations

## ABRASIVE FLAP DENSITIES



### Standard Density

- Excellent for heavy-duty applications and rapid stock removal

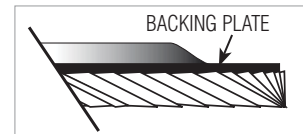


### High Density

- Ideal when working on uneven or curved surfaces, as well as finer grit blending

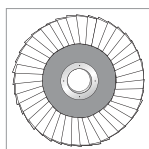
## BACKING PLATE MATERIALS

All flap discs are a combination of abrasive flaps adhered to a rigid backing plate. It is the backing plate that provides stability during operation. There are two main materials used: fiberglass and plastic. The fiberglass backing plate, along with the flap shape, helps to absorb vibration and is consumed during use with no smearing. Fiberglass is the most popular material because of its high strength and light weight. The plastic backing plate offers some additional conformability and is trimmable.



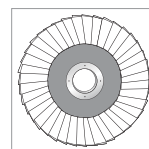
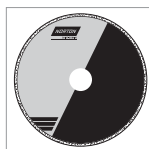
## WHY CHOOSE FLAP DISCS?

Flap discs replace both grinding wheels and fiber discs. The same flap disc can be used for applications ranging from stock removal to blending.



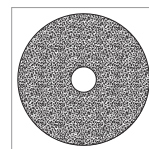
### Flap Discs vs. Grinding Wheels

- Faster stock removal
- Smoother finish, no gouging
- Cooler cutting, less glazing
- Lightweight, easier to control
- Less vibration, less operator fatigue
- Reduced noise



### Flap Discs vs. Fiber Discs

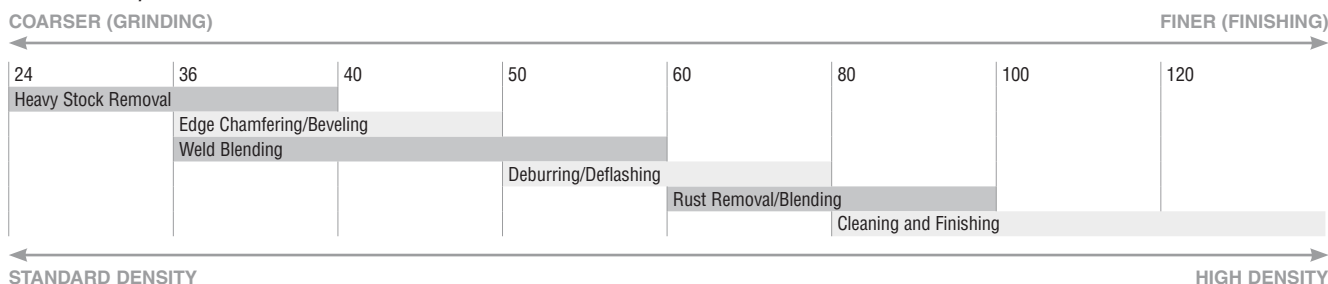
- 20X longer life, reduced abrasive cost
- Fewer disc changes, reduced labor cost
- More consistent finish
- No back-up pad required
- Easier storage, no curling
- Reduced loading
- Use flap discs one grit size coarser than fiber discs, except in 36 grit.



**MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE**

|   | <b>BEST</b><br>Highest Productivity;<br>Lowest Total Cost | <b>BETTER</b><br>Excellent Blend of<br>Performance & Price | <b>GOOD</b><br>Consistent Performance;<br>Low Initial Price |
|---|---|--|---|
| <b>TYPE 29 FOR STOCK REMOVAL</b>          |   |  |   |
| Stainless Steel / Titanium / Super Alloys | Norton Blaze R980P  | Norton BlueFire R884P                                      | Norton Metal R828   |
| Mild Carbon Steel / Welds                 | Norton Red Heat R983                                      | Norton BlueFire R884P                                      | Norton Metal R828   |
| Ferrous Metals / Cast Iron                | Norton Red Heat R983                                      | Norton BlueFire R884P                                      | Norton Metal R828   |
| Brass / Bronze / Aluminum                 | –   | Norton BlueFire R884P                                      |   |
| <b>TYPE 27 FOR BLENDING AND FINISHING</b> |   |  |   |
| Stainless Steel / Titanium / Super Alloys | Norton Blaze R980P  | Norton BlueFire R884P                                      | Norton Metal R828   |
| Mild Carbon Steel / Welds                 | Norton Red Heat R983                                      | Norton BlueFire R884P                                      | Norton Metal R828   |
| Ferrous Metals / Cast Iron                | Norton Red Heat R983                                      | Norton BlueFire R884P                                      | Norton Metal R828   |
| Brass / Bronze / Aluminum                 | –   | Norton BlueFire R884P                                      | Norton Metal R828   |

**APPLICATION/GRIT RECOMMENDATION GUIDE**



**CROSS REFERENCE GUIDE**

|               | TOTAL PERFORMANCE      |                     |                           | INITIAL PRICE                         |
|---------------|------------------------|---------------------|---------------------------|---------------------------------------|
|               | <b>BEST</b>            | <b>BETTER</b>       | <b>GOOD</b>               |                                       |
| <b>NORTON</b> | Blaze R980P            | Red Heat R983       | BlueFire R884P            | Norton Metal R828                     |
| 3M            | Cubitron II 967A, 947D | 747D                | 563D, 546D                | –                                     |
| DeWalt        | –                      | –                   | –                         | Z/A                                   |
| Camel         | –                      | C3                  | Z-Stainless               | Z3                                    |
| Flexovit      | –                      | –                   | –                         | Zircotex Premium, Zircotex HP         |
| Garryson      | –                      | –                   | Zirc+, Zirconium          | –                                     |
| GemTex        | –                      | Ceramic             | –                         | Zirconia                              |
| Hermes        | –                      | –                   | –                         | –                                     |
| Klingspor     | SMT 996                | –                   | SMT 630                   | SMT 618, 619, 624, 626, 627, 628, 640 |
| Metabo        | –                      | –                   | –                         | Z/A                                   |
| Pearl         | Red Line CB            | Stainless Max       | Zirconia Premium, TuffMax | Z/A Silver Line                       |
| Pferd         | CO-Cool                | Ceramic             | Cool Zirconia, CO-COOL    | Zirconia                              |
| Sait          | –                      | –                   | Z                         | –                                     |
| SIA           | –                      | –                   | –                         | Z/A                                   |
| Standard      | –                      | Ceramic Oxide       | Zirconia Pro              | Zirconia                              |
| Tyrolit       | –                      | –                   | Z/A                       | –                                     |
| Walter        | Enduro-Flex Stainless  | –                   | Enduro Flex               | –                                     |
| Weiler        | –                      | Saber Tooth Ceramic | –                         | Tiger Zirconium, Vortec               |

**When You Want Fast and Tough, You Want Norton**

Whether you want maximum productivity or simply the lowest initial cost solution, Norton products are the solution for all your right angle grinding and blending applications.



**BEST** Norton Blaze  
Highest Productivity – Lowest Total Cost



**BETTER** Norton BlueFire  
Exceptional Blend of Performance and Price



**GOOD** Norton Metal  
Good Performance – Low Initial Price



## NORTON BLAZE R980P CERAMIC ALUMINA

**BEST/HIGHEST PRODUCTIVITY FOR STAINLESS STEEL, TITANIUM, AND SUPER ALLOYS**

### FEATURES & BENEFITS

- Latest-generation ceramic alumina abrasive grain lasts 50% – 200% longer than any flap discs on stainless steel, cobalt, chrome, Inconel, titanium and other hard-to-grind materials
- Y-weight polyester flaps with a supersize grinding aid significantly improve life, grain retention, and fray resistance while providing a cool, noticeably fast cut rate
- High-strength fiberglass back on Type 29 and Type 27 High Density is durable, lightweight, and absorbs vibration
- Black, flexible plastic backing plate on Type 27 Quick Trim is the industry standard for trimmability
- 2" and 3" quick-change mini flap discs are ideal for tight spaces

## NORTON RED HEAT R983 CERAMIC ALUMINA

**BEST/HIGH PRODUCTIVITY FOR MILD CARBON STEEL, CAST IRON AND FERROUS METALS**

### FEATURES & BENEFITS

- Our exclusive premium ceramic alumina abrasive blend cuts faster and outlasts aluminum oxide and zirconia abrasives in most applications.
- New, thicker, Y+ weight engineered backing provides extended durability and reduced edge wear
- Advanced self-lubricating grain treatment reduces heat on hard-to-grind materials
- Trimmable Type 27 plastic backing discs are engineered for finishing
- Type 29 conical fiberglass backing flap discs excel at aggressive stock removal
- Type 29 fiberglass high-density flap discs last 40% longer than standard density flap discs on contoured surfaces

## NORTON BLUEFIRE R884P ZIRCONIA ALUMINA

**BETTER CHOICE FOR MILD CARBON STEEL, AND WELDS**

### FEATURES & BENEFITS

- High performance zirconia alumina plus abrasive for aggressive cut and long life, with up to 30% longer life than competitive zirconia alumina products
- Polyester flaps with semi-open coat provide improved durability and retards loading on aluminum
- High-strength fiberglass back on Type 29 and Type 27 High Density is durable, lightweight, and absorbs vibration
- Blue, flexible plastic backing plate on Type 27 Quick Trim is the industry standard for trimmability
- Vendible 2-disc package is ideal for vending machines, small jobs, or carrying to a job site
- 2" and 3" quick-change mini flap discs are ideal for tight spaces

## NORTON METAL R828 ZIRCONIA ALUMINA

**GOOD CONSISTENT PERFORMANCE WITH LOW INITIAL PRICE**

### FEATURES & BENEFITS

- Durable zirconia alumina abrasive provides good cut rate and life with consistent finish





|                |                    |                      |                      |                       |                   |                   |
|----------------|--------------------|----------------------|----------------------|-----------------------|-------------------|-------------------|
| TIER:          | <b>BEST</b>        | <b>BEST</b>          | <b>BEST</b>          | <b>BETTER</b>         | <b>GOOD</b>       | <b>GOOD</b>       |
| BRAND:         | Norton             | Norton               | Norton               | Norton                | Norton            | Norton            |
| TRADENAME:     | <b>BLAZE R980P</b> | <b>RED HEAT R983</b> | <b>RED HEAT R983</b> | <b>BLUEFIRE R884P</b> | <b>METAL R828</b> | <b>METAL R828</b> |
| SHAPE:         | Type 29 Conical    | Type 29 Conical      | Type 29 Conical      | Type 29 Conical       | Type 29 Conical   | Type 29 Conical   |
| FLAP DENSITY:  | Standard           | Standard             | High                 | Standard              | Standard          | High              |
| ABRASIVE:      | Ceramic Alumina    | Ceramic Alumina      | Ceramic Alumina      | Zirconia Alumina Plus | Zirconia Alumina  | Zirconia Alumina  |
| BACKING PLATE: | Fiberglass         | Fiberglass           | Fiberglass           | Fiberglass            | Fiberglass        | Fiberglass        |
| OTHER:         | Supersize          | Supersize            | Supersize            |                       |                   |                   |

| SIZE (D x H)           | GRIT   | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #             | PART #      | PART #      |
|------------------------|--------|----------|-----------|-------------|-------------|-------------|--------------------|-------------|-------------|
| <b>Type 29 Conical</b> |        |          |           |             |             |             |                    |             |             |
| 4 x 5/8                | 36     | 15,300   | 10        |             |             |             | 66623399049        |             |             |
|                        | 40     | 15,300   | 10        |             |             |             | 66623399050        |             |             |
|                        | 60     | 15,300   | 10        |             |             |             | 66623399051        |             |             |
|                        | 80     | 15,300   | 10        |             |             |             | 66623399052        |             |             |
| 4-1/2 x 5/8-11         | 36     | 13,300   | 10        | 66261183490 | 66261132771 |             | 66254461165        | 66254419991 |             |
|                        | 36     | 13,300   | 10 V      |             |             |             | 66623341104 2-Pack |             |             |
|                        | 40     | 13,300   | 10        | 66261183491 | 66261132772 | 66261132844 | 66254461167        | 66254419994 | 66261132535 |
|                        | 60     | 13,300   | 10        | 66261183492 | 66261132773 | 66261132845 | 66254461170        | 66254419996 | 66261132536 |
|                        | 60     | 13,300   | 10 V      |             |             |             | 66623341105 2-Pack |             |             |
|                        | 80     | 13,300   | 10        | 66261183493 | 66261132774 | 66261132846 | 66254461173        | 66254419997 | 66261132537 |
|                        | 80     | 13,300   | 10 V      |             |             |             | 66623341106 2-Pack |             |             |
|                        | 120    | 13,300   | 10        |             | 66261132775 |             |                    |             |             |
| 4-1/2 x 7/8            | 24     | 13,300   | 10        |             |             |             | 66623399204        |             |             |
|                        | 36     | 13,300   | 10        | 66261183486 | 66261132776 |             | 66254461155        | 66254419963 |             |
|                        | 36     | 13,300   | 10 V      |             |             |             | 66623341107 2-Pack |             |             |
|                        | 40     | 13,300   | 10        | 66261183487 | 66261132777 | 66261132847 | 66254461161        | 66254419978 | 66261132538 |
|                        | 60     | 13,300   | 10        | 66261183488 | 66261132778 | 66261132848 | 66254461163        | 66254419984 | 66261132539 |
|                        | 60     | 13,300   | 10 V      |             |             |             | 66623341108 2-Pack |             |             |
|                        | 80     | 13,300   | 10        | 66261183489 | 66261132779 | 66261132849 | 66254461164        | 66254419987 | 66261132540 |
|                        | 80     | 13,300   | 10 V      |             |             |             | 66623341109 2-Pack |             |             |
| 120                    | 13,300 | 10       |           | 66261132780 |             |             |                    |             |             |
| 5 x 5/8-11             | 36     | 12,000   | 10        |             | 66261132781 |             | 66623399189        |             |             |
|                        | 36     | 12,000   | 10 V      |             |             |             | 66623341110 2-Pack |             |             |
|                        | 40     | 12,000   | 10        |             | 66261132782 |             | 66623399190        |             |             |
|                        | 60     | 12,000   | 10        |             | 66261132783 |             | 66623399191        |             |             |
|                        | 80     | 12,000   | 10        |             | 66261132784 |             | 66623399192        |             |             |
|                        | 120    | 12,000   | 10        |             | 66261132785 |             |                    |             |             |
| 5 x 7/8                | 24     | 12,000   | 10        |             |             |             | 66623399206        |             |             |
|                        | 36     | 12,000   | 10        | 66261190001 | 66261132786 |             | 66254461174        | 66254419998 |             |
|                        | 40     | 12,000   | 10        | 66261190002 | 66261132787 |             | 66254461176        | 66254420001 |             |
|                        | 60     | 12,000   | 10        | 66261190003 | 66261132788 |             | 66254461177        | 66254420002 |             |
|                        | 80     | 12,000   | 10        | 66261190004 | 66261132789 |             | 66254461178        | 66254420003 |             |
|                        | 120    | 12,000   | 10        |             | 66261132790 |             |                    |             |             |
| 6 x 5/8-11             | 40     | 10,200   | 10        |             |             |             |                    | 66254491779 |             |
|                        | 60     | 10,200   | 10        |             |             |             |                    | 66254491780 |             |
|                        | 80     | 10,200   | 10        |             |             |             |                    | 66254491781 |             |
| 6 x 7/8                | 24     | 10,200   | 10        |             |             |             | 66623399066        |             |             |
|                        | 36     | 10,200   | 10        |             |             |             | 66623399298        |             |             |
|                        | 40     | 10,200   | 10        |             | 66261132791 |             | 66623399193        | 66254491776 |             |
|                        | 60     | 10,200   | 10        |             | 66261132792 |             | 66623399194        | 66254491777 |             |
|                        | 80     | 10,200   | 10        |             | 66261132793 |             | 66623399195        | 66254491778 |             |
| 7 x 5/8-11             | 36     | 8,600    | 10        | 66261183498 | 66261132794 |             | 66254461188        | 66254420009 |             |
|                        | 40     | 8,600    | 10        | 66261183499 | 66261132795 | 66261132850 | 66254461190        | 66254420010 | 66261132541 |
|                        | 60     | 8,600    | 10        | 66261183500 | 66261132796 | 66261132851 | 66254461192        | 66254420012 | 66261132542 |
|                        | 80     | 8,600    | 10        | 66261183501 | 66261132797 | 66261132852 | 66254461193        | 66254420013 | 66261132543 |
|                        | 120    | 8,600    | 10        |             | 66261132798 |             |                    |             |             |
|                        | 120    | 8,600    | 10        |             |             |             |                    |             |             |
| 7 x 7/8                | 24     | 8,600    | 10        |             |             |             | 66623399196        |             |             |
|                        | 36     | 8,600    | 10        | 66261183494 | 66261132799 |             | 66254461180        | 66254420004 |             |
|                        | 40     | 8,600    | 10        | 66261183495 | 66261132800 | 66261132853 | 66254461183        | 66254420006 | 66261132544 |
|                        | 60     | 8,600    | 10        | 66261183496 | 66261132801 | 66261132854 | 66254461185        | 66254420007 | 66261132545 |
|                        | 80     | 8,600    | 10        | 66261183497 | 66261132802 | 66261132855 | 66254461186        |             | 66261132546 |
|                        | 120    | 8,600    | 10        |             | 66261132803 |             |                    |             |             |

V = Vendible package. 2 discs/package; 5 packs/carton. Order in multiples of 10.



|                |                    |                    |                      |                       |                       |                   |
|----------------|--------------------|--------------------|----------------------|-----------------------|-----------------------|-------------------|
| TIER:          | <b>BEST</b>        | <b>BEST</b>        | <b>BEST</b>          | <b>BETTER</b>         | <b>BETTER</b>         | <b>GOOD</b>       |
| BRAND:         | Norton             | Norton             | Norton               | Norton                | Norton                | Norton            |
| TRADENAME:     | <b>BLAZE R980P</b> | <b>BLAZE R980P</b> | <b>RED HEAT R983</b> | <b>BLUEFIRE R884P</b> | <b>BLUEFIRE R884P</b> | <b>METAL R828</b> |
| SHAPE:         | Type 27 Flat       | Type 27 Flat       | Type 27 Flat         | Type 27 Flat          | Type 27 Flat          | Type 27 Flat      |
| FLAP DENSITY:  | Standard           | High               | Standard             | Standard              | High                  | Standard          |
| ABRASIVE:      | Ceramic Alumina    | Ceramic Alumina    | Ceramic Alumina      | Zirconia Alumina Plus | Zirconia Alumina Plus | Zirconia Alumina  |
| BACKING PLATE: | Quick Trim Plastic | Fiberglass         | Quick Trim Plastic   | Quick Trim Plastic    | Fiberglass            | Fiberglass        |
| OTHER:         | Supersize          | Supersize          | Supersize            |                       |                       |                   |

| SIZE (D x H)        | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #             | PART #      | PART #      |
|---------------------|------|----------|-----------|-------------|-------------|-------------|--------------------|-------------|-------------|
| <b>Type 27 Flat</b> |      |          |           |             |             |             |                    |             |             |
| 4 x 5/8             | 40   | 15,300   | 10        |             |             | 66261132804 |                    |             |             |
|                     | 60   | 15,300   | 10        |             |             | 66261132805 |                    |             |             |
|                     | 80   | 15,300   | 10        |             |             | 66261132806 |                    |             |             |
| 4-1/2 x 5/8-11      | 36   | 13,300   | 10        |             | 66254499894 |             | 66623399136        |             | 66254472655 |
|                     | 36   | 13,300   | 10 V      |             |             | 66261132807 | 66623341086 2-Pack |             |             |
|                     | 40   | 13,300   | 10        | 66254400257 | 66261098290 | 66261132808 | 66623399137        | 77696090086 | 66254437013 |
|                     | 60   | 13,300   | 10        | 66254400258 | 66261096435 | 66261132809 | 66623399138        | 77696090087 | 66254472656 |
|                     | 60   | 13,300   | 10 V      |             |             |             | 66623341087 2-Pack |             |             |
|                     | 80   | 13,300   | 10        | 66254400259 | 66261096436 | 66261132810 | 66623399139        | 77696090088 | 66254472657 |
|                     | 120  | 13,300   | 10        | 66254400261 |             | 66261132811 |                    |             |             |
| 4-1/2 x 7/8         | 36   | 13,300   | 10        | 63642501865 | 66261097678 | 66261132812 | 66623399140        | 77696090081 | 66254472653 |
|                     | 40   | 13,300   | 10        | 66254400253 | 66261020628 | 66261132813 | 66623399141        | 77696090082 | 66254437004 |
|                     | 60   | 13,300   | 10        | 66254400254 | 66261020633 | 66261132814 | 66623399142        | 77696090083 | 66254448989 |
|                     | 60   | 13,300   | 10 V      |             |             |             | 66623341090 2-Pack |             |             |
|                     | 80   | 13,300   | 10        | 66254400255 | 66261020634 | 66261132815 | 66623399143        | 77696090084 | 66254448990 |
|                     | 120  | 13,300   | 10        | 66254400256 |             | 66261132816 |                    | 77696090085 |             |
| 5 x 5/8-11          | 36   | 12,000   | 10        |             |             | 66261132817 | 66623399144        |             |             |
|                     | 40   | 12,000   | 10        | 77696090141 | 66261132141 | 66261132818 | 66623399145        |             |             |
|                     | 60   | 12,000   | 10        | 77696090142 | 66261132142 | 66261132819 | 66623399146        |             |             |
|                     | 80   | 12,000   | 10        | 77696090143 | 66261132144 | 66261132820 | 66623399147        |             |             |
|                     | 120  | 12,000   | 10        | 77696090144 |             | 66261132821 |                    |             |             |
| 5 x 7/8             | 36   | 12,000   | 10        |             |             | 66261132822 | 66623399148        |             | 66254472659 |
|                     | 40   | 12,000   | 10        | 66254400262 | 66261132131 | 66261132823 | 66623399149        |             | 66254472660 |
|                     | 60   | 12,000   | 10        | 66254400264 | 66261132133 | 66261132824 | 66623399150        |             | 66254472661 |
|                     | 80   | 12,000   | 10        | 66254400265 | 66261132134 | 66261132825 | 66623399151        |             | 66254472662 |
|                     | 80   | 12,000   | 10 V      |             |             |             | 66623341097 2-Pack |             |             |
|                     | 120  | 12,000   | 10        | 66254400519 |             | 66261132826 |                    |             |             |
| 6 x 5/8-11          | 40   | 10,200   | 10        | 66261132128 | 66261132145 | 66261132827 |                    |             | 66254491773 |
|                     | 60   | 10,200   | 10        | 66261132129 | 66261132146 | 66261132828 |                    |             | 66254491774 |
|                     | 80   | 10,200   | 10        | 66261132130 | 66261132147 | 66261132829 |                    |             | 66254491775 |
| 6 x 7/8             | 40   | 10,200   | 10        | 66261132123 | 66261132135 | 66261132830 | 66623399152        |             | 66254491770 |
|                     | 60   | 10,200   | 10        | 66261132124 | 66261132136 | 66261132831 | 66623399153        |             | 66254491771 |
|                     | 80   | 10,200   | 10        | 66261132125 | 66261132137 | 66261132832 | 66623399154        |             | 66254491772 |
|                     | 120  | 10,200   | 10        |             |             | 66261132833 |                    |             |             |
| 7 x 5/8-11          | 36   | 8,600    | 10        |             |             | 66261132834 | 66623399155        |             | 66254472669 |
|                     | 40   | 8,600    | 10        | 66254461066 | 66261132148 | 66261132835 | 66623399156        | 77696090092 | 66254472670 |
|                     | 60   | 8,600    | 10        | 66254461067 | 66261132168 | 66261132836 | 66623399157        | 77696090093 | 66254472671 |
|                     | 80   | 8,600    | 10        | 66254461068 | 66261132171 | 66261132837 | 66623399158        | 77696090094 | 66254472672 |
|                     | 120  | 8,600    | 10        | 66254461069 |             | 66261132838 |                    |             |             |
| 7 x 7/8             | 36   | 8,600    | 10        | 63642501866 |             | 66261132839 | 66623399159        |             | 66254472664 |
|                     | 40   | 8,600    | 10        | 66254461059 | 66261132138 | 66261132840 | 66623399160        | 77696090089 | 66254472665 |
|                     | 60   | 8,600    | 10        | 66254461060 | 66261132139 | 66261132841 | 66623399161        | 77696090090 | 66254472666 |
|                     | 80   | 8,600    | 10        | 66254461061 | 66261132140 | 66261132842 | 66623399162        | 77696090091 | 66254472667 |
|                     | 120  | 8,600    | 10        | 66254461063 |             | 66261132843 |                    |             |             |

V = Vendible package. Ideal for vending machines & small jobs. 2 Flap Discs/pack, 5 packs/carton. Order in multiples of 10.



## NORTON BLUEFIRE R884P ZIRCONIA ALUMINA

PACKAGED FOR RETAIL / WALK-IN SELLING / SMALL JOBS



### FEATURES & BENEFITS

- Zirconia alumina plus abrasive for aggressive cut and long life
- Individual hang card provides product selling points
- Product ships in merchandisable display case of small quantities
- Available wire rack (with header card) allows merchandising of 4" and 4-1/2" product three ways: hung on pegboard, mounted on an upright, or placed on a shelf/counter

TIER: **BETTER**  
 BRAND: Norton  
 TRADENAME: **BLUEFIRE R884P**  
 SHAPE: Type 29  
 FLAP DENSITY: Standard  
 ABRASIVE: Zirconia Alumina Plus  
 BACKING PLATE: Fiberglass

| SIZE (D x H)   | GRIT | MAX. RPM | STD. PKG. | PART #      |
|----------------|------|----------|-----------|-------------|
| 4 x M-10       | 40   | 15,300   | 5         | 07660703214 |
|                | 60   | 15,300   | 5         | 07660703215 |
|                | 80   | 15,300   | 5         | 07660703216 |
| 4-1/2 x 5/8-11 | 40   | 13,300   | 5         | 07660703211 |
|                | 60   | 13,300   | 5         | 07660703212 |
|                | 80   | 13,300   | 5         | 07660703213 |
| 7 x 5/8-11     | 40   | 8,600    | 5         | 07660703205 |
|                | 60   | 8,600    | 5         | 07660703206 |
|                | 80   | 8,600    | 5         | 07660703207 |
| Wire Rack      |      |          | 2         | 07660704157 |



WIRE RACK (WITH HEADER CARD)  
 ALLOWS MERCHANDISING OF 4"  
 AND 4-1/2" PRODUCT THREE WAYS:  
 HUNG ON PEGBOARD, MOUNTED ON  
 AN UPRIGHT, OR PLACED ON A  
 SHELF/COUNTER

## NORTON MINI FLAP DISCS

PACKAGED FOR RETAIL / WALK-IN SELLING / SMALL JOBS

### FEATURES & BENEFITS

- High performance ceramic and zirconia alumina abrasive blend provides maximum cut rate and life
- Layered flaps wear away evenly, producing a high quality and consistent finish



TR (TYPE III)



TS (TYPE II)



| TIER:             | <b>BEST</b>              | <b>BETTER</b>            | <b>BEST</b>              | <b>BETTER</b>            |
|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| BRAND:            | Norton                   | Norton                   | Norton                   | Norton                   |
| TRADENAME:        | <b>BLAZE R980P</b>       | <b>BLUEFIRE R884P</b>    | <b>BLAZE R980P</b>       | <b>BLUEFIRE R884P</b>    |
| ABRASIVE:         | Ceramic Alumina          | Zirconia Alumina Plus    | Ceramic Alumina          | Zirconia Alumina Plus    |
| FLAP:             | Polyester                | Polyester                | Polyester                | Polyester                |
| BACKING MATERIAL: | Extra Heavy-Duty Plastic | Extra Heavy-Duty Plastic | Extra Heavy-Duty Plastic | Extra Heavy-Duty Plastic |
| ATTACHMENT:       | TR (Type III)            | TR (Type III)            | TS (Type II)             | TS (Type II)             |

| SIZE (D) | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      |
|----------|------|-----------|-------------|-------------|-------------|-------------|
| 2        | 36   | 10        | 77696090145 | 77696090165 | 77696090155 | 77696090175 |
|          | 40   | 10        | 77696090146 | 77696090166 | 77696090156 | 77696090176 |
|          | 60   | 10        | 77696090147 | 77696090167 | 77696090157 | 77696090177 |
|          | 80   | 10        | 77696090148 | 77696090168 | 77696090158 | 77696090178 |
|          | 120  | 10        | 77696090149 | 77696090169 | 77696090159 | 77696090179 |
| 3        | 36   | 10        | 77696090150 | 77696090170 | 77696090160 | 77696090180 |
|          | 40   | 10        | 77696090151 | 77696090171 | 77696090161 | 77696090181 |
|          | 60   | 10        | 77696090152 | 77696090172 | 77696090162 | 77696090182 |
|          | 80   | 10        | 77696090153 | 77696090173 | 77696090163 | 77696090183 |
|          | 120  | 10        | 77696090154 | 77696090174 | 77696090164 | 77696090184 |

| DESCRIPTION                        | MAX. RPM | STD. PKG. | TR (TYPE III) | TS (TYPE II) |
|------------------------------------|----------|-----------|---------------|--------------|
| <b>Mini Flap Disc Back-up Pads</b> |          |           |               |              |
| 2" Medium Density Back-up Pad      | 30,000   | 1         | 08834164922   | 08834164198  |
| 3" Medium Density Back-up Pa       | 20,000   | 1         | 08834164949   | 08834164113  |

For use on dual action and random orbital sanders. The industry's highest performing and broadest selection of paper discs in PSA (pressure sensitive adhesive) disc rolls and individual discs, and hook and loop discs.

Applications: Stripping and preparing primed and painted surfaces for finishing, sanding of plastics, fiberglass and composites, bare wood sanding, light weld blending, preparing and finishing metal, and sanding of all gel coat and body filler compounds

Size Range: 3" – 8"

Grit Range: 36 – 1500

Abrasive Grain: Ceramic Alumina, Zirconia Alumina, Aluminum Oxide, Silicon Carbide

Attachment Systems: PSA (pressure-sensitive adhesive), hook and loop

Paper Weights: Heavyweight – E and F; Lightweight – B and C

Vacuum Holes: See product availability charts

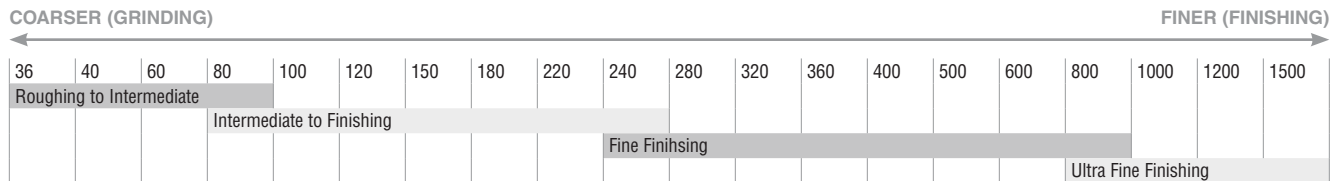
Machine Used:



## MATERIAL/APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE

|                                     | BEST<br>Highest Productivity<br>Lowest Total Cost |                                  | BETTER<br>Excellent Blend of<br>Performance & Price |                                  | GOOD<br>Consistent Performance:<br>Low Initial Price |
|-------------------------------------|---|----------------------------------|---|----------------------------------|--|
|                                     | Heavy-Medium<br>Stock Removal                     | Light Stock<br>Removal-Finishing | Heavy-Medium<br>Stock Removal                       | Light Stock<br>Removal-Finishing | Light Stock<br>Removal-Finishing                     |
| Primed, Painted Surfaces            |   | Dry Ice A975                     | BlueFire H875P                                      | OP A275                          | Gold Reserve A296                                    |
| Fiberglass / Composites / Gel Coats |   | Dry Ice A975                     | BlueFire H875P                                      | OP A275                          | Gold Reserve A296                                    |
| Wood                                |   | Dry Ice A975                     | BlueFire H875P                                      | OP A275                          | Gold Reserve A296                                    |
| Metal                               | Norton SG H920                                    | Dry Ice A975                     | BlueFire H822                                       | OP A275                          | Gold Reserve A296                                    |
| Body Fillers / Compounds / Plastics |   | Dry Ice A975                     | BlueFire H875P                                      | OP A275                          | Gold Reserve A296                                    |

## APPLICATION/GRIT RECOMMENDATION GUIDE



## CROSS REFERENCE GUIDE

|           | TOTAL PERFORMANCE |                  |                  |                        |                              |                  | INITIAL PRICE                |                          |                    |
|-----------|-------------------|------------------|------------------|------------------------|------------------------------|------------------|------------------------------|--------------------------|--------------------|
|           | BEST              |                  | BETTER           |                        |                              |                  | GOOD                         |                          |                    |
| NORTON    | F-Wt.             | B- & C-Wt.       | F-Wt.            | E-Wt.                  | B-Wt.                        | B-Wt.-Wt.        | B-Wt.                        | C-Wt.                    | B-Wt.              |
|           | Norton SG H920    | Dry Ice A975     | BlueFire H822    | BlueFire H875P         | OP A275                      | A270             | Durite A475                  | A290                     | Gold Reserve A296  |
| 3M        | 763U, 751I        | 734U, 735U, 765L | –                | 750U, 751U, 740I, 745I | 216U, 255L, 260L, 334U       | 210U, 268L, 360L | 414N, 415N, 405N, 415U, 435U | 236U                     | 214U, 316U Red. NX |
| Hermes    | CB115             | –                | BW 115           | –                      | VC154-LL                     | VC152            | PSF-LL, SF168                | HCAB-LL, HC135, VC151-LL | –                  |
| Indasa    | –                 | –                | –                | –                      | RedLine                      | –                | –                            | –                        | WhiteLine          |
| Klingspor | –                 | PS36             | PS20, PS21, PS22 | –                      | PS33                         | –                | PL35                         | PS33                     | PL36               |
| Mirka     | –                 | –                | –                | Royal Coarse Cut       | Q-Silver, Royal, Royal Micro | Silver           | CaratFlex, PolarStar         | Bulldog Gold, Basecut    | Carat (B), Basecut |
| SIA       | –                 | 1950             | 1820, 1919       | 1820, 1919             | 1940, 1950                   | –                | 1748                         | 1947                     | –                  |
| VSM       | –                 | –                | –                | KP510E, KP709          | MPG                          | –                | CP131A                       | KP911                    | MP10               |

## Heavyweight Paper Discs

### NORTON SG H920 CERAMIC ALUMINA

**BEST CHOICE FOR MOST DEMANDING STOCK REMOVAL APPLICATIONS**

FEATURES

- Durable and friable Norton SG ceramic alumina abrasive
- Strong, heavy F-weight paper, synthetically-coated

BENEFITS

- Fast aggressive cutting action, yet cool cutting
- Maximum durability and resistance to edge chipping and shedding
- Premier product for metal fabricating and blending; ideal for soldered and welded areas

### NORTON BLUEFIRE H822 ZIRCONIA ALUMINA

**BETTER CHOICE FOR AGGRESSIVE METALWORKING APPLICATIONS**

FEATURES & BENEFITS

- Patented zirconia alumina abrasive provides 2X-3X life over aluminum oxide products
- Strong F-weight paper, synthetically-coated for excellent durability and chip resistance
- Designed for "metal in the white" and a variety of wood sanding operations where aggressive cutting action and extra durable backing are needed
- Non-stearated (no anti-loading agents) for non-contaminating; often required for prime auto and aerospace paint applications
- Pressure sensitive adhesive and linked disc roll format allow easy application, removal, and dispensing

### NORTON BLUEFIRE H875P ZIRCONIA ALUMINA

**BETTER CHOICE FOR SOFT MATERIAL AND WOOD APPLICATIONS**

FEATURES

- Next-generation zirconia alumina abrasive
- Strong, heavy, E-weight paper
- Open coat design

BENEFITS

- Extended life over original zirconia alumina products
- Improved cut rate
- Increased durability and chip resistance, flexible
- Reduced loading; ideal for body-filler, fiberglass, wood and composites

Stick & Sand (PSA)  
Heavyweight Disc Rolls  
Non-Vacuum



| TIER:                 | BEST            | BETTER               | BETTER                |             |             |             |
|-----------------------|-----------------|----------------------|-----------------------|-------------|-------------|-------------|
| BRAND:                | Norton          | Norton               | Norton                |             |             |             |
| TRADENAME:            | <b>SG H920</b>  | <b>BLUEFIRE H822</b> | <b>BLUEFIRE H875P</b> |             |             |             |
| ABRASIVE:             | Ceramic Alumina | Zirconia Alumina     | Zirconia Alumina      |             |             |             |
| PAPER BACKING WEIGHT: | F-Weight        | F-Weight             | E-Weight              |             |             |             |
| FASTENING:            | PSA             | PSA                  | PSA                   |             |             |             |
| SIZE                  | GRIT            | ROLLS/STD. PKG.      | DISCS/ ROLL           | PART #      | PART #      | PART #      |
| 5                     | 60              | 4                    | 100                   | 66261149873 | 66261137310 |             |
|                       | 80              | 4                    | 100                   | 66261149872 | 66261137309 | 66261124977 |
|                       | 100             | 4                    | 100                   | 66261149871 | 66261137308 |             |
|                       | 120             | 4                    | 100                   | 66261149870 | 66261137307 |             |
| 6                     | 60              | 4                    | 100                   |             | 66261137323 |             |
|                       | 80              | 4                    | 100                   | 66261149876 | 66261137322 | 66261125573 |
|                       | 120             | 4                    | 100                   | 66261149874 |             |             |
| 8                     | 100             | 4                    | 50                    | 66261149879 |             |             |
|                       | 120             | 4                    | 50                    |             | 66261137333 |             |

Refer to the end of this section for back-up pads and accessories.



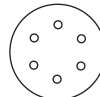
## Heavyweight Paper Discs

Stick & Sand (PSA)  
Individual Discs  
Non-Vacuum and Vacuum



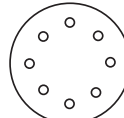
|                       |                       |                       |
|-----------------------|-----------------------|-----------------------|
| TIER:                 | <b>BETTER</b>         | <b>BETTER</b>         |
| BRAND:                | Norton                | Norton                |
| TRADENAME:            | <b>BLUEFIRE H875P</b> | <b>BLUEFIRE H875P</b> |
| ABRASIVE:             | Zirconia Alumina      | Zirconia Alumina      |
| PAPER BACKING WEIGHT: | E-Weight              | E-Weight              |
| FASTENING:            | PSA                   | PSA Vacuum            |

| SIZE | GRIT | MIN./STD PKG. | PART #      | PART # |
|------|------|---------------|-------------|--------|
| 5"   | 36   | 50/200        | 66261125436 |        |
|      | 40   | 50/200        | 66261125307 |        |
|      | 80   | 50/200        | 66261125244 |        |



6" X 6 Hole  
Die #3371

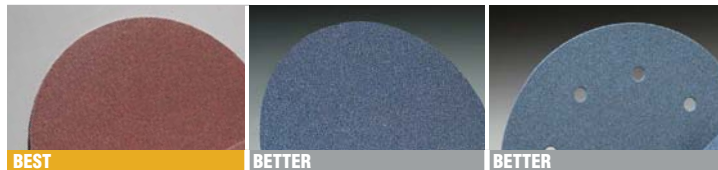
|    |    |        |             |             |
|----|----|--------|-------------|-------------|
| 6" | 36 | 50/200 | 66261123575 |             |
|    | 40 | 50/200 | 66261123574 | 66261123580 |
|    | 80 | 50/200 | 66261123573 |             |



8" X 8 Hole  
Die #3370

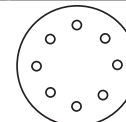
|    |    |        |             |             |
|----|----|--------|-------------|-------------|
| 8" | 36 | 25/100 | 66261123578 | 66261123584 |
|    | 40 | 25/100 | 66261123577 |             |
|    | 80 | 25/100 | 66261123576 | 66261123582 |

Hook & Loop  
Individual Discs  
Non-Vacuum and Vacuum



|                       |                 |                       |                       |
|-----------------------|-----------------|-----------------------|-----------------------|
| TIER:                 | <b>BEST</b>     | <b>BETTER</b>         | <b>BETTER</b>         |
| BRAND:                | Norton          | Norton                | Norton                |
| TRADENAME:            | <b>SG H920</b>  | <b>BLUEFIRE H875P</b> | <b>BLUEFIRE H875P</b> |
| ABRASIVE:             | Ceramic Alumina | Zirconia Alumina      | Zirconia Alumina      |
| PAPER BACKING WEIGHT: | F-Weight        | E-Weight              | E-Weight              |
| FASTENING:            | Hook & Loop     | Hook & Loop           | Hook & Loop           |
| OTHER:                |                 |                       | Vacuum                |

| SIZE | GRIT | MIN./STD PKG. | PART #      | PART #       | PART # |
|------|------|---------------|-------------|--------------|--------|
| 5"   | 40   | 25/100        |             | 66261125684  |        |
|      | 60   | 50/250        | 66261149864 |              |        |
|      | 80   | 50/250        | 66261149865 | 66261125444• |        |
|      | 100  | 50/250        | 66261149866 |              |        |
|      | 120  | 50/250        | 66261149867 |              |        |
| 6"   | 36   | 25/100        |             | 66261123590  |        |
|      | 40   | 25/100        |             | 66261123589  |        |
|      | 80   | 25/100        |             | 66261123588  |        |



8 in. x 8 Hole  
Die #3370

|    |    |        |  |             |             |
|----|----|--------|--|-------------|-------------|
| 8" | 36 | 25/100 |  | 66261123593 | 66261123598 |
|    | 40 | 25/100 |  | 66261123592 |             |
|    | 80 | 25/100 |  | 66261123591 | 66261123596 |

Packaging Standards: Min. / Std. Pkg. • H875P = 25/100

Lightweight Paper Discs

## NORTON DRYICE A975 NO-FIL CERAMIC ALUMINA

**BEST CHOICE FOR THE MOST DEMANDING SANDING APPLICATIONS**

FEATURES

- P-graded Norton SG ceramic alumina abrasive
- Unique fiber-reinforced, flexible B- and C-weight latex-saturated backing
- Water-based No-Fil stearate, non-pigmented
- EXPANDED OFFERING! Multi-Air Cyclonic A975 hook and loop laser-cut vacuum discs

BENEFITS

- Fastest cut rate; longest life of any paper disc
- 50-60% improvement in tear strength, longer life in all applications
- Flexible
- Provides maximum load resistance and extended life
- No color transfer to work
- Revolutionary design for maximum vacuum assist (see product page for more details and availability)

## NORTON OP A275 NO-FIL ALUMINUM OXIDE

**BETTER CHOICE FOR HIGH-PERFORMANCE DRY FINISHING ON ALL MATERIALS**

FEATURES

- Premium P-graded, heat-treated aluminum oxide abrasive
- Unique fiber-reinforced, flexible B-weight latex-saturated backing
- Water-based stearate, non-pigmented, No-Fil coating
- 5" and 6" individual PSA discs in fine grits have a tabbed, white translucent liner

BENEFITS

- Superior life, fast cut rate, consistent finish
- 50-60% improvement in tear strength
- Flexible
- Provides maximum load resistance and extended life
- No color transfer to work
- The PSA adhesive is protected from airborne contaminants
- The tab allows easier removal of the paper liner

## NORTON DURITE A475 NO-FIL SILICON CARBIDE

**BETTER CHOICE FOR HARD-TO-SAND SURFACES AND WOOD APPLICATIONS**

FEATURES

- P-graded, hard, silicon carbide abrasive
- Water-based stearate, non-pigmented, No-Fil coating
- Durable, fiber-reinforced, B-weight latex paper

BENEFITS

- Easy penetration of the hardest surfaces
- Resists loading for the longest usable product life
- No color transfer to work
- Provides flexibility and resistance to tearing

## NORTON GOLD RESERVE A296 NO-FIL ALUMINUM OXIDE

**GOOD CHOICE FOR SANDING A BROAD RANGE OF SUBSTRATES INCLUDING PRIMED OR PAINTED SURFACES, WOOD, COMPOSITES, ALUMINUM, AND FERROUS METALS**

FEATURES

- P-graded premium aluminum oxide abrasive produces a quick, cool cut and a more consistent surface finish
- Strong B-weight latex/paper backing resists tearing while staying conformable and flexible
- Water-based, non-loading (No-Fil) stearate resists clogging and increases disc life
- Pressure sensitive adhesive disc roll, and hook and loop disc options allow easy application, removal, and dispensing

BENEFITS



### Lightweight Paper Discs

Stick & Sand (PSA)  
Lightweight Disc Rolls  
Non-Vacuum



|                       |                           |                       |                           |                                 |                    |
|-----------------------|---------------------------|-----------------------|---------------------------|---------------------------------|--------------------|
| TIER:                 | <b>BEST</b>               | <b>BETTER</b>         | <b>BETTER</b>             | <b>GOOD</b>                     | <b>GOOD</b>        |
| BRAND:                | Norton                    | Norton                | Norton                    | Norton                          | Norton             |
| TRADENAME:            | <b>DRYICE A975 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>DURITE A475 NO-FIL</b> | <b>GOLD RESERVE A296 NO-FIL</b> | <b>A290 NO-FIL</b> |
| ABRASIVE:             | Ceramic Alumina           | Aluminum Oxide        | Silicon Carbide           | Aluminum Oxide                  | Aluminum Oxide     |
| PAPER BACKING WEIGHT: | B- & C-Weight             | B-Weight              | B-Weight                  | B-Weight                        | C-Weight           |
| FASTENING:            | PSA                       | PSA                   | PSA                       | PSA                             | PSA                |
| OTHER:                | P-Graded                  | P-Graded              | P-Graded                  | P-Graded                        | P-Graded           |

| SIZE  | GRIT | ROLLS/<br>STD. PKG. | DISCS/<br>ROLL | PART #       | PART #       | PART #      | PART #      | PART #      |
|-------|------|---------------------|----------------|--------------|--------------|-------------|-------------|-------------|
| 3-1/2 | 80   | 4                   | 100            |              | 66261136376  |             |             |             |
|       | 120  | 4                   | 100            |              | 66261136375  |             |             |             |
|       | 180  | 4                   | 100            |              | 66261136373  |             |             |             |
|       | 220  | 4                   | 100            |              | 66261136372  |             |             |             |
|       | 280  | 4                   | 100            |              | 66261136370  |             |             |             |
|       | 320  | 4                   | 100            |              | 66261136369  |             |             |             |
|       | 400  | 4                   | 100            |              | 66261136368  |             |             |             |
| 5     | 60   | 4                   | 100            |              |              |             |             | 66261149831 |
|       | 80   | 4                   | 100            | 66261140502  | 66261131464* | 66254487415 | 66261183806 | 66261149830 |
|       | 100  | 4                   | 100            | 66261140501  | 66261131463* | 66254487417 | 66261183807 | 66261149829 |
|       | 120  | 4                   | 100            | 66261140500  | 66261131462* | 66254487418 | 66261183808 | 66261149828 |
|       | 150  | 4                   | 100            | 66261140499  | 66261131461* | 66254487440 | 66261183809 | 66261149827 |
|       | 180  | 4                   | 100            | 66261140498  | 66261131460* | 66254487441 | 66261183810 | 66261149826 |
|       | 220  | 4                   | 100            | 66261142474  | 66261131459* | 66254487442 | 66261183811 | 66261149825 |
|       | 240  | 4                   | 100            | 66261155380  | 66261131458* | 66254487443 | 66261183812 | 66261149824 |
|       | 280  | 4                   | 100            | 66261155379  | 66261131457* |             |             | 66261149823 |
|       | 320  | 4                   | 100            | 66261155378  | 66261131456* | 66254487444 | 66261183813 | 66261149822 |
|       | 400  | 4                   | 100            | 66261155377  | 66261131454* | 66261065293 | 66261183814 | 66261149821 |
|       | 500  | 4                   | 100            |              | 66261131453* |             |             |             |
|       | 600  | 4                   | 100            | 66623305608  | 66261131452* | 66254421217 |             |             |
| 800   | 4    | 100                 | 66254480230    | 66261131451* | 66254401221  |             |             |             |
| 6     | 60   | 4                   | 100            |              |              |             |             | 66261149847 |
|       | 80   | 4                   | 100            | 66261140512  | 66261131481* | 66254487446 | 66261183815 | 66261149842 |
|       | 100  | 4                   | 100            | 66261140511  | 66261131480* |             | 66261183816 | 66261149841 |
|       | 120  | 4                   | 100            | 66261140510  | 66261131479* | 66254487447 | 66261183817 | 66261149840 |
|       | 150  | 4                   | 100            | 66261140509  | 66261131478* |             | 66261183818 | 66261149839 |
|       | 180  | 4                   | 100            | 66261140508  | 66261131477* | 66254487448 | 66261183819 | 66261149838 |
|       | 220  | 4                   | 100            | 66261148340  | 66261131476* | 66254487449 | 66261183820 | 66261149837 |
|       | 240  | 4                   | 100            | 66261155376  | 66261131475* |             | 66261183821 | 66261149836 |
|       | 280  | 4                   | 100            |              | 66261131474* |             |             | 66261149835 |
|       | 320  | 4                   | 100            | 66261155374  | 66261131473* | 66254487450 | 66261183822 | 66261149834 |
|       | 400  | 4                   | 100            | 66261155373  | 66261131471* |             | 66261183823 | 66261149833 |
|       | 500  | 4                   | 100            | 63642506198  | 66261131470* |             |             |             |
|       | 600  | 4                   | 100            | 63642506199  | 66261131469* |             | 66261040261 |             |
|       | 800  | 4                   | 100            | 63642506200  | 66261131468* |             | 63642506164 |             |
| 8     | 80   | 4                   | 100            |              | 66261131617  |             |             |             |
|       | 120  | 4                   | 100            |              | 66261131615  |             |             |             |
|       | 150  | 4                   | 100            |              | 66261131614  |             |             |             |
|       | 180  | 4                   | 100            |              | 66261131613  |             |             |             |
|       | 320  | 4                   | 100            |              | 66261131612  |             |             |             |
|       |      |                     |                |              | 66261131609  |             |             |             |

\* Packaging Standards A275 = 6/100

Refer to the end of this section for back-up pads and accessories.



## Lightweight Paper Discs

Stick & Sand (PSA)  
Lightweight Disc Rolls  
Vacuum



TIER: **BETTER**  
 BRAND: Norton  
 TRADENAME: **OP A275 NO-FIL**  
 ABRASIVE: Aluminum Oxide  
 PAPER BACKING WEIGHT: B-Weight  
 FASTENING: PSA  
 OTHER: P-Graded



TIER: **GOOD**  
 BRAND: Norton  
 TRADENAME: **A290 NO-FIL**  
 ABRASIVE: Aluminum Oxide  
 C-Weight  
 PSA  
 P-Graded

Stick & Sand (PSA)  
Individual Discs  
Non-Vacuum



TIER: **BETTER**  
 BRAND: Norton  
 TRADENAME: **OP A275 NO-FIL**  
 ABRASIVE: Aluminum Oxide  
 PAPER BACKING WEIGHT: B-Weight  
 FASTENING: PSA Tabbed  
 OTHER: P-Graded

| SIZE | GRIT | ROLLS/<br>STD. PKG. | DISCS/<br>ROLL | PART #                      | ROLLS/<br>STD. PKG. | DISCS/<br>ROLL | PART #      |  |
|------|------|---------------------|----------------|-----------------------------|---------------------|----------------|-------------|--|
|      |      |                     |                |                             |                     |                |             |  |
|      |      |                     |                | 5 in. X 5 Hole<br>Die #3329 |                     |                |             |  |
| 5"   | 60   |                     |                |                             | 4                   | 100            | 66261130266 |  |
|      | 80   | 6                   | 100            | 66261131498                 | 4                   | 100            | 66261130265 |  |
|      | 100  | 6                   | 100            | 66261131497                 | 4                   | 100            | 66261130264 |  |
|      | 120  | 6                   | 100            | 66261131496                 | 4                   | 100            | 66261130263 |  |
|      | 150  | 6                   | 100            | 66261131495                 | 4                   | 100            | 66261130262 |  |
|      | 180  | 6                   | 100            | 66261131494                 | 4                   | 100            | 66261130261 |  |
|      | 220  | 6                   | 100            | 66261131493                 | 4                   | 100            | 66261130260 |  |
|      | 240  | 6                   | 100            | 66261131492                 | 4                   | 100            | 66261130259 |  |
|      | 320  | 6                   | 100            | 66261131490                 | 4                   | 100            | 66261130258 |  |
|      | 400  | 6                   | 100            | 66261131488                 |                     |                |             |  |
|      | 500  | 6                   | 100            | 66261131487                 |                     |                |             |  |
|      |      |                     |                |                             |                     |                |             |  |
|      |      |                     |                | 6 in. X 6 Hole<br>Die #3333 |                     |                |             |  |
| 6"   | 80   | 6                   | 100            | 66261131515                 | 4                   | 100            | 66261130276 |  |
|      | 100  | 6                   | 100            | 66261131514                 | 4                   | 100            | 66261130275 |  |
|      | 120  | 6                   | 100            | 66261131513                 | 4                   | 100            | 66261130274 |  |
|      | 150  | 6                   | 100            | 66261131512                 | 4                   | 100            | 66261130273 |  |
|      | 180  | 6                   | 100            | 66261131511                 | 4                   | 100            | 66261130272 |  |
|      | 220  | 6                   | 100            | 66261131510                 | 4                   | 100            | 66261130271 |  |
|      | 240  | 6                   | 100            | 66261131509                 |                     |                |             |  |
|      | 280  | 6                   | 100            | 66261131508                 |                     |                |             |  |
|      | 320  | 6                   | 100            | 66261131507                 | 4                   | 100            | 66261130268 |  |
|      | 400  | 6                   | 100            | 66261131505                 |                     |                |             |  |
|      | 600  | 6                   | 100            | 66261131503                 |                     |                |             |  |

| SIZE | GRIT | MIN./<br>STD PKG. | PART #      |
|------|------|-------------------|-------------|
| 5"   | 1000 | 100/400           | 66261131450 |
|      | 1200 | 100/400           | 66261131449 |
| 6"   | 36   | 50/200            |             |
|      | 1000 | 100/400           | 66261131467 |
|      | 1200 | 100/400           | 66261131466 |
|      | 1500 | 100/400           | 66261131465 |

Refer to the end of this section for back-up pads and accessories.



## PSA Disc Roll Dispenser

- Norton disc roll dispensers feature heavy-duty construction and a rubberized finish to protect your product, as well as the finish on your workpiece
- These versatile dispensers are designed to accommodate any 5" or 6" disc roll or sheet roll
- They can be attached to a wall or stacked for multi-grit or multi-diameter operations
- Discs are individually dispensed and removed from the roll by a cutter bar

| DESCRIPTION                        | STD. PKG. | PART #      |
|------------------------------------|-----------|-------------|
| <b>PSA Disc Roll Dispenser</b>     |           |             |
| Single Disc Roll Dispenser         | 1         | 63642542772 |
| Double Disc Roll Dispenser (shown) | 1         | 63642502981 |

Lightweight Paper Discs

MULTI-AIR CYCLONIC HOOK & LOOP VACUUM

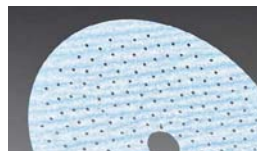
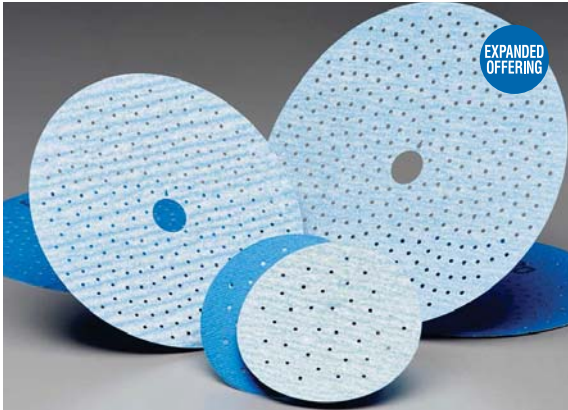
LESS DUST; MORE PRODUCTIVITY

FEATURES

- Precision laser-cut, spiral-hole design based on the Golden Ratio
- Norton SG ceramic alumina grain
- Unique fiber-reinforced latex/paper backing
- Water-based stearate coating (No-Fil)

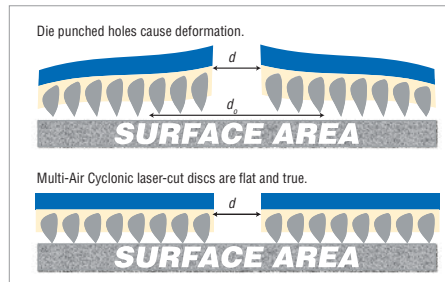
BENEFITS

- Maximum dust extraction for cleaner work environment and less potential for contamination
- Consistent cut throughout the life of the disc
- Superior cut on difficult to sand surfaces
- Substantially longer life and faster cut than conventional abrasives
- Quick, cool cut
- Flexible, strong and tear resistant
- Load resistant for extended product life



TIER: **BEST**  
 BRAND: Norton  
 TRADENAME: **DRY ICE A975 NO-FIL**  
 ABRASIVE: Ceramic Alumina  
 PAPER BACKING WEIGHT: B- & C-Weight  
 FASTENING: Hook & Loop  
 OTHER: P-Graded

| SIZE                          | GRIT   | MIN./STD PKG. | PART #      |
|-------------------------------|--------|---------------|-------------|
| 3"                            | 80     | 50/200        | 77696095005 |
|                               | 120    | 50/200        | 77696095006 |
|                               | 150    | 50/200        | 77696095007 |
|                               | 180    | 50/200        | 77696095008 |
|                               | 220    | 50/200        | 77696095009 |
|                               | 240    | 50/200        | 77696095010 |
|                               | 320    | 50/200        | 77696095011 |
|                               | 400    | 50/200        | 77696095012 |
|                               | 500    | 50/200        | 77696095013 |
|                               | 600    | 50/200        | 77696095014 |
|                               | 800    | 50/200        | 77696095015 |
| 5" x 11/16"<br>(125mm x 18mm) | 80     | 50/200        | 77696007745 |
|                               | 120    | 50/200        | 77696007753 |
|                               | 150    | 50/200        | 77696007755 |
|                               | 180    | 50/200        | 77696007756 |
|                               | 220    | 50/200        | 77696007757 |
|                               | 240    | 50/200        | 77696007760 |
|                               | 280    | 50/200        | 77696007762 |
|                               | 320    | 50/200        | 77696007763 |
|                               | 400    | 50/200        | 77696007765 |
|                               | 500    | 50/200        | 77696007768 |
|                               | 600    | 50/200        | 77696007791 |
| 6" x 11/16"<br>(150mm x 18mm) | 80     | 50/200        | 77696007770 |
|                               | 120    | 50/200        | 77696007773 |
|                               | 150    | 50/200        | 77696007774 |
|                               | 180    | 50/200        | 77696007775 |
|                               | 220    | 50/200        | 77696007776 |
|                               | 240    | 50/200        | 77696007777 |
|                               | 280    | 50/200        | 77696007778 |
|                               | 320    | 50/200        | 77696007781 |
|                               | 400    | 50/200        | 77696007784 |
|                               | 500    | 50/200        | 77696007785 |
|                               | 600    | 50/200        | 77696007786 |
| 800                           | 50/200 | 77696007787   |             |
| 1000                          | 50/200 | 77696007788   |             |



Improved Dust Extraction / Increased Productivity

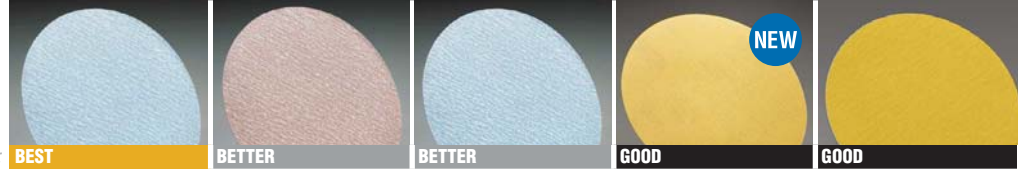
The upgrade to precise, flat, laser-cut holes instead of die-punched holes, dramatically increases surface area contact allowing Norton Multi-Air Cyclonic discs to improve productivity by 32% versus conventional multi-hole sanding and by 60% versus non-vacuum sanding.

The end result is more holes for dust extraction, more abrasive coverage for a better cut and no deformation – for full surface contact utilizing all the cutting power of the premium ceramic grain.

Refer to the end of this section for back-up pads and accessories for Norton Multi-Air Cyclonic Discs.

### Lightweight Paper Discs

Hook & Loop  
Individual Discs  
Non-Vacuum



|                       |                            |                       |                           |                                 |                    |
|-----------------------|----------------------------|-----------------------|---------------------------|---------------------------------|--------------------|
| TIER:                 | <b>BEST</b>                | <b>BETTER</b>         | <b>BETTER</b>             | <b>GOOD</b>                     | <b>GOOD</b>        |
| BRAND:                | Norton                     | Norton                | Norton                    | Norton                          | Norton             |
| CAP CODE:             | <b>DRY ICE A975 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>DURITE A475 NO-FIL</b> | <b>GOLD RESERVE A296 NO-FIL</b> | <b>A290 NO-FIL</b> |
| ABRASIVE:             | Ceramic Alumina            | Aluminum Oxide        | Silicon Carbide           | Aluminum Oxide                  | Aluminum Oxide     |
| PAPER BACKING WEIGHT: | B- & C-Weight              | B-Weight              | B-Weight                  | B-Weight                        | C-Weight           |
| FASTENING:            | Hook & Loop                | Hook & Loop           | Hook & Loop               | Hook & Loop                     | Hook & Loop        |
| OTHER:                | P-Graded                   | P-Graded              | P-Graded                  | P-Graded                        | P-Graded           |

| SIZE | GRIT | MIN./STD PKG. | PART #       | PART #      | PART #      | PART #       | PART #      |
|------|------|---------------|--------------|-------------|-------------|--------------|-------------|
| 3"   | 80   | 50/200        |              | 66261131532 |             |              |             |
|      | 100  | 50/200        |              | 66261144926 |             |              |             |
|      | 120  | 50/200        |              | 66261128688 |             |              |             |
|      | 150  | 50/200        |              | 66261140385 |             |              |             |
|      | 180  | 50/200        |              | 66261131528 |             |              |             |
|      | 220  | 50/200        |              | 66261131527 |             |              |             |
|      | 240  | 50/200        |              | 66261131526 |             |              |             |
|      | 320  | 50/200        |              | 66261131524 |             |              |             |
|      | 400  | 50/200        |              | 66261136995 |             |              |             |
|      | 500  | 50/200        |              | 66261131521 |             |              |             |
|      | 600  | 50/200        |              | 66261136996 |             |              |             |
|      | 800  | 50/200        |              | 66261131519 |             |              |             |
|      | 1000 | 50/200        |              | 66261135900 |             |              |             |
|      | 1500 | 50/200        |              | 66261147434 |             |              |             |
| 5"   | 60   | 100/400       |              |             |             |              | 66261130224 |
|      | 80   | 100/400       | 66261140522‡ | 66261131549 |             | 66623377539  | 66261149907 |
|      | 100  | 100/400       | 66261140521‡ | 66261131548 |             |              | 66261149906 |
|      | 120  | 100/400       | 66261140520‡ | 66261131547 |             | 66623377541  | 66261149905 |
|      | 150  | 100/400       | 66261140519‡ | 66261131546 |             | 66623377542  | 66261149904 |
|      | 180  | 100/400       | 66261140518‡ | 66261131545 |             | 66623377543  | 66261149903 |
|      | 220  | 100/400       | 66261149541‡ | 66261131544 |             | 66623305637  | 66261149902 |
|      | 240  | 100/400       | 66261149540‡ | 66261131543 |             | 66254457751  |             |
|      | 280  | 100/400       |              | 66261131542 |             |              |             |
|      | 320  | 100/400       | 66261149538‡ | 66261131541 |             | 66623305638  | 66261149900 |
|      | 400  | 100/400       | 66261149537‡ | 66261131539 | 66261052270 | 66623305639  | 66261149899 |
|      | 500  | 100/400       | 66254480233‡ | 66261131538 |             |              |             |
|      | 600  | 100/400       |              | 66261131537 | 66254421221 | 66261105390  |             |
|      | 800  | 100/400       | 66254480232‡ | 66261131536 | 66261052267 | 66623377544  |             |
|      | 1000 | 100/400       |              | 66261131535 | 66261052254 |              |             |
|      | 1200 | 100/400       |              | 66261131534 |             |              |             |
|      | 1500 | 100/400       |              | 66261131533 |             |              |             |
| 6"   | 80   | 100/400       | 66261140532‡ | 66261131566 |             | 63642506236* | 66261149916 |
|      | 100  | 100/400       | 66261140531‡ | 66261131565 |             | 63642506235* | 66261149915 |
|      | 120  | 100/400       | 66261140530‡ | 66261131564 |             | 63642506234* | 66261149914 |
|      | 150  | 100/400       | 66261140529‡ | 66261131563 |             | 63642506233* | 66261149913 |
|      | 180  | 100/400       | 66261140528‡ | 66261131562 |             | 63642506232* | 66261149912 |
|      | 220  | 100/400       | 66261149546‡ | 66261131561 |             | 63642506231* | 66261149911 |
|      | 240  | 100/400       |              | 66261131560 |             | 63642506225* |             |
|      | 280  | 100/400       |              | 66261131559 |             |              | 66261149910 |
|      | 320  | 100/400       | 66261149543‡ | 66261131558 |             | 63642506230* | 66261149909 |
|      | 400  | 100/400       | 66261149542‡ | 66261131556 |             | 63642506229* | 66261149908 |
|      | 500  | 100/400       | 63642506202‡ | 66261131555 |             | 63642506228* |             |
|      | 600  | 100/400       | 63642506203‡ | 66261131554 |             | 63642506227* |             |
|      | 800  | 100/400       | 63642506204‡ | 66261131553 |             | 63642506226* |             |
|      | 1000 | 100/400       | 63642506375‡ | 66261131552 | 66261052255 |              |             |
|      | 1200 | 100/400       | 63642506376‡ | 66261131551 |             |              |             |
|      | 1500 | 100/400       | 63642506377‡ | 66261131550 |             |              |             |
|      | 8"   | 120           | 100/400      |             | 66261131662 |              |             |
| 180  |      | 100/400       |              | 66261131661 |             |              |             |

Packaging Standards: Min. / Std. Pkg. ‡ A975 = 50/200 \* A296 = 50/250

Refer to the end of this section for back-up pads and accessories.



### Lightweight Paper Discs

Hook & Loop  
Individual Discs  
Vacuum



|                       |                            |                       |                                 |                    |                    |
|-----------------------|----------------------------|-----------------------|---------------------------------|--------------------|--------------------|
| TIER:                 | <b>BEST</b>                | <b>BETTER</b>         | <b>GOOD</b>                     | <b>GOOD</b>        | <b>GOOD</b>        |
| BRAND:                | Norton                     | Norton                | Norton                          | Norton             | Norton             |
| CAP CODE:             | <b>DRY ICE A975 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>GOLD RESERVE A296 NO-FIL</b> | <b>A290 NO-FIL</b> | <b>A290 NO-FIL</b> |
| ABRASIVE:             | Ceramic Alumina            | Aluminum Oxide        | Aluminum Oxide                  | Aluminum Oxide     | Aluminum Oxide     |
| PAPER BACKING WEIGHT: | B- & C-Weight              | B-Weight              | B-weight                        | C-Weight           | C-Weight           |
| FASTENING:            | Hook & Loop                | Hook & Loop           | Hook & Loop                     | Hook & Loop        | Hook & Loop        |
| OTHER:                | P-Graded                   | P-Graded              | P-Graded                        | P-Graded           | P-Graded           |

| SIZE | GRIT    | MIN./STD PKG. | PART #       | PART #      | PART #       | PART #       | PART #       |
|------|---------|---------------|--------------|-------------|--------------|--------------|--------------|
|      |         |               |              |             |              |              |              |
| 5    | 60      | 100/400       |              |             |              | 66261130236‡ | 66261130245‡ |
|      | 80      | 100/400       | 66261140517‡ | 66261131583 |              | 66261130235‡ | 66261130244‡ |
|      | 100     | 100/400       |              | 66261131582 |              | 66261130234‡ | 66261130243‡ |
|      | 120     | 100/400       | 66261140515‡ | 66261131581 |              | 66261130233‡ | 66261130242‡ |
|      | 150     | 100/400       |              | 66261131580 |              | 66261130232‡ | 66261130241‡ |
|      | 180     | 100/400       |              | 66261131579 |              | 66261130231‡ | 66261130240‡ |
|      | 220     | 100/400       |              | 66261131578 |              | 66261130230‡ | 66261130239‡ |
|      | 240     | 100/400       |              | 66261131577 |              |              |              |
|      | 320     | 100/400       |              | 66261131575 |              | 66261130227‡ | 66261130238‡ |
|      | 400     | 100/400       |              | 66261131573 |              | 66261130226‡ |              |
| 600  | 100/400 |               | 66261131571  |             |              |              |              |
|      |         |               |              |             |              |              |              |
| 6    | 80      | 100/400       | 66261140527‡ | 66261131600 | 66623334786‡ | 66261130255‡ |              |
|      | 100     | 100/400       |              | 66261131599 | 66623334787‡ |              |              |
|      | 120     | 100/400       |              | 66261131598 | 66623334788‡ | 66261130253‡ |              |
|      | 150     | 100/400       |              | 66261131597 | 66623334789‡ |              |              |
|      | 180     | 100/400       |              | 66261131596 | 66623334790‡ | 66261130251‡ |              |
|      | 220     | 100/400       |              | 66261131595 | 66623334791‡ | 66261130250‡ |              |
|      | 280     | 100/400       |              | 66261131593 |              |              |              |
|      | 320     | 100/400       | 66261149553‡ | 66261131592 | 66623334793‡ |              |              |
|      | 400     | 100/400       |              | 66261131590 | 66623334794‡ |              |              |
|      | 600     | 100/400       |              | 66261131588 | 66623334796‡ |              |              |
|      | 800     | 100/400       |              | 66261131587 | 66623334797‡ |              |              |
|      | 1000    | 100/400       |              | 66261131586 |              |              |              |
| 1500 | 100/400 |               | 66261131584  |             |              |              |              |

Packaging Standards: ‡ A975 Vacuum, A296 Vacuum, A290 Vacuum = 50/200

Refer to the end of this section for back-up pads and accessories.

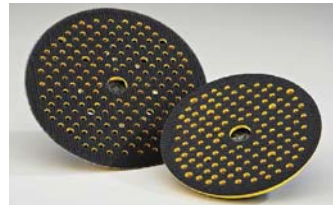
# PAPER DISC ACCESSORIES



**Multi-Air Foam Interface Pads**

- Designed for use with fine grit Multi-Air Cyclonic hook and loop sanding discs to improve both surface finish and cut rate
- Use with Multi-Air hook and loop disc back-up pads
- Align the interface pad with the Multi-Air back up pad then simply attach the disc to the interface pad because the holes do not have to be lined up

| DESCRIPTION  | STD. PKG. | PART #      |
|--|-----------|-------------|
| <b>Multi-Air Foam Interface Pads with Vacuum Holes</b> |           |             |
| 5" Diameter x 1/2" Thick Pad                           | 8         | 63642585864 |
| 6" Diameter x 1/2" Thick Pad                           | 12        | 07660719359 |



**Multi-Air Hook & Loop Back-up Pads with Vacuum Holes**

- Innovative design optimized for maximum air flow and powerful dust extraction
- Pads are engineered with a durable urethane foam, heat-resistant plastic, a molded-in 5/16"-24 spindle, and hooked face
- Holes in the disc do not have to be matched up with the holes in the pad, so changeover is fast and easy

| DESCRIPTION   | MAX. RPM | STD. PKG. | PART #      |
|---|----------|-----------|-------------|
| <b>Multi-Air Hook &amp; Loop Back-Up Pads with Vacuum Holes</b> |          |           |             |
| 5" (125mm) with 5/16"-24 Shank, Medium-Density Urethane Pad     | 15,000   | 5         | 66623376000 |
| 6" (150mm) with 5/16"-24 Shank, Medium-Density Urethane Pad     | 15,000   | 5         | 63642506160 |



**Low-Profile Pads for Dual Action / Random Orbital Sanders**

- Soft density low-profile pads utilize 1/2" thick foam for fine finish sanding and offer moderate conformability
- Medium low-profile pads have 1/2" thick urethane foam for intermediate and finish sanding
- Available with PSA (pressure sensitive adhesive) or hook and loop faces; both designs are shock resistant and have a fiberglass backing plate with a riveted 5/16"-24 threaded shank for added strength and increased heat resistance
- Available with standard hole patterns for vacuum-assist sanding

| DESCRIPTION  | MAX. RPM | STD. PKG. | PART #      |
|--|----------|-----------|-------------|
| <b>Low Profile Pads for DA/Random Orbital Sanders</b>          |          |           |             |
| 3" Hook & Loop Soft Low-Profile                                | 12,000   | 10        | 63642506128 |
| 3-1/4" Hook & Loop Buffing Pad                                 |          | 5         | 66261085302 |
| 5" PSA Soft Low-Profile  | 12,000   | 5         | 63642506126 |
| 5" PSA Medium Low-Profile                                      | 15,000   | 5         | 63642506131 |
| 5" PSA Medium Low-Profile with 5 vacuum holes                  | 15,000   | 5         | 63642506132 |
| 5" Hook & Loop Soft Low-Profile                                | 12,000   | 5         | 63642506129 |
| 5" Hook & Loop Medium Low-Profile                              | 15,000   | 5         | 63642506135 |
| 5" Hook & Loop Medium Low-Profile with 5 vacuum holes          | 15,000   | 5*        | 63642506136 |
| 6" PSA Soft Low-Profile  | 12,000   | 5         | 63642506127 |
| 6" PSA Medium Low-Profile                                      | 15,000   | 5         | 63642506133 |
| 6" Hook & Loop Soft Low-Profile                                | 12,000   | 5         | 63642506130 |
| 6" Hook & Loop Medium Low-Profile                              | 15,000   | 5         | 63642506137 |
| 6" Hook & Loop Medium Low-Profile with 6 vacuum holes          | 15,000   | 5         | 63642506138 |
| 8" Hook & Loop Medium Low-Profile with 8 vacuum holes, 5 screw | 1,500    | 5         | 63642543712 |
| 8" Hook & Loop Medium Low-Profile with 8 vacuum holes, 6 screw | 1,500    | 5         | 63642543714 |

*Packed in individual clamshell*



**Tapered Pads for Dual Action / Random Orbital Sanders**

- Designed with medium density polyurethane foam and a tapered edge for conformability, these pads are firm enough for flat surfaces, yet soft enough for severe curves and contours
- Available with either PSA (vinyl, pressure sensitive adhesive) or hook and loop faces in vacuum or non-vacuum
- The 5" and 6" pads are shock resistant and have a fiberglass backing plate with a riveted 5/16"-24 threaded shank for use on random orbital or dual action sanders
- The 8" pads have a 5/8"-11 threaded female hub

| DESCRIPTION                                       | MAX. RPM | STD. PKG. | PART #      |
|---|----------|-----------|-------------|
| <b>Tapered Pads for DA/Random Orbital Sanders</b> |          |           |             |
| 5" PSA Medium Tapered                             | 15,000   | 5         | 63642506139 |
| 5" PSA Medium Tapered with 5 vacuum holes         | 15,000   | 5         | 63642506140 |
| 5" Hook & Loop Medium Tapered                     | 15,000   | 5         | 63642506143 |
| 5" Hook & Loop Medium Tapered with 5 vacuum holes | 15,000   | 5         | 63642506144 |
| 6" PSA Medium Tapered                             | 15,000   | 5         | 63642506141 |
| 6" PSA Medium Tapered with 6 vacuum holes         | 15,000   | 5         | 63642506142 |
| 6" Hook & Loop Medium Tapered                     | 15,000   | 5         | 63642506145 |
| 6" Hook & Loop Medium Tapered with 6 vacuum holes | 15,000   | 5         | 63642506146 |
| 8" PSA Medium Tapered                             | 6,000    | 5         | 63642543112 |
| 8" Hook & Loop Medium Tapered                     | 3,200    | 5         | 63642543704 |

*Packed in individual clamshell*

# PAPER DISC ACCESSORIES



**Hook & Loop Foam Interface Pads**

- Designed for use with our fine grit hook and loop sanding discs
- Improve both surface finish and cut rate
- Use with hook and loop back-up pads

| DESCRIPTION                                | STD. PKG. | PART #      |
|--|-----------|-------------|
| <b>Foam Hook &amp; Loop Interface Pads</b> |           |             |
| 3" Diameter, 1/2" Thick Interface          | 10        | 63642505457 |
| 6" Diameter, 1/2" Thick Interface          | 5         | 63642542089 |
| 5" Diameter, 3/4" Thick Interface          | 2         | 63642502161 |
| 6" Diameter, 3/4" Thick Interface          | 2         | 63642502162 |



**Half Moon Hand Pad**

- The unique half moon pad takes a standard 5" hook and loop disc folded in half, which adheres to the hooks on the pad face
- The straight edge of the pad allows the operator to sand corners, contours, narrow crevices and minute imperfections without over-sanding

| DESCRIPTION               | STD. PKG. | PART #      |
|---------------------------|-----------|-------------|
| <b>Half Moon Hand Pad</b> |           |             |
| 5" Hook & Loop            | 10        | 63642502768 |



**Polishing Adapter Pad**

- Converts your standard hook and loop pad into a soft polishing pad
- The foam adapter is 3/8" thick and is excellent for fine grits where minimal removal is required
- It is ideal for either flat or contour surfaces

| DESCRIPTION                  | MAX. RPM | STD. PKG. | PART #      |
|------------------------------|----------|-----------|-------------|
| <b>Polishing Adapter Pad</b> |          |           |             |
| 5" Hook & Loop Adapter Pad   | 3,786    | 10        | 63642503121 |



**Ergonomic Hand Sanders**



- The ergonomic palm sander is uniquely designed to be user-friendly, with finger indentations for the operator
- It quickly converts standard 5" and 6" hook and loop discs into hand sanders for finishing flat surfaces

| DESCRIPTION                  | STD. PKG. | PART #      |
|------------------------------|-----------|-------------|
| <b>Ergonomic Hand Sander</b> |           |             |
| 5" Hook & Loop               | 5         | 63642503147 |
| 6" Hook & Loop               | 5         | 63642503726 |



**Disc Hand Pads**



- Hand pads eliminate finger sanding
- The ultra-thin 3/16" thick pad is composed of a single layer of neoprene foam and is designed for maximum flexibility – producing excellent finishes
- The 1" thick pad is composed of two layers, neoprene and polyester foam, for excellent conformability and softness, resulting in fine finishes
- Each pad has an elastic hand strap to hold it firmly in place.
- Available with either PSA (vinyl, pressure sensitive adhesive) faces or hook and loop face

| DESCRIPTION                         | STD. PKG. | PART #      |
|-------------------------------------|-----------|-------------|
| <b>Disc Hand Pads</b>               |           |             |
| 5" x 3/16" Thick Soft Foam PSA      | 10        | 63642503111 |
| 5" x 1" Thick Soft Foam PSA         | 10        | 63642502842 |
| 5" x 1" Thick Soft Foam Hook & Loop | 10        | 63642503117 |



**Panel and Adhesive Cleaner**

- Removes adhesives, tar, grease, wax, body sealers, undercoating sprays, and silicone from most surfaces
- Aggressive cleaner is safe to use on most paint applications
- Packaged with squirt dispenser
- Use as directed

| DESCRIPTION                       | STD. PKG. | PART #      |
|-----------------------------------|-----------|-------------|
| <b>Panel and Adhesive Cleaner</b> |           |             |
| Quart Can                         | 12        | 07660782780 |



# FILM & FOAM FINISHING DISCS

For use on random orbital and rotary sanders. The industry's highest performing film and foam finishing discs are engineered for composite, automotive, and other fine finishing applications. Norton microfinishing film discs produce superior finishes dry without sacrificing cut rate while Norton foam finishing discs are used moist to produce a semi-polished surface to reduce buffing time.

- Applications: Film discs: final dry finishing of primed and painted surfaces, varnishes, composites, and gel coats before buffing  
Foam finishing discs: final moist finishing of clear coat, varnishes, composites, and gel coats before buffing  
Compounds and buffing pads: removes swirl marks and sand scratches
- Size Range: 3", 5" and 6"
- Grit Range: Film Discs: P80-P1500  
Foam Discs: P1500, P2000, P3000

Machine Used:



## NORTON PURE ICE Q175 A/O FINISHING FILM

**BEST CHOICE FOR FINAL DRY FINISHING OF PRIMED AND PAINTED SURFACES, VARNISHES, COMPOSITES, AND GEL COATS**



### FEATURES

- White aluminum oxide grain and patented resin system
- 3 mil polyester backing
- Hook and loop attachment system
- Color-coded backprint by grit size

### BENEFITS

- Better life, cut rate, and finish
- Better flexibility and flatness of discs
- Quick, easy mounting and removal
- Easy grit identification

## NORTON Q275 NO-FIL A/O FINISHING FILM

**GOOD CHOICE FOR DRY SANDING APPLICATIONS, ESPECIALLY UNEVEN, HARD-TO-SAND SURFACES**



### FEATURES & BENEFITS

- Sharp, P-graded, heat-treated premium aluminum oxide grain ensures faster yet cooler cut for a longer life
- 3-mil polyester film backing delivers unmatched durability and tear strength with exceptional flatness for a flawless surface finish and reduced leveling and rework
- Water-based stearate (No-Fil) coating provides maximum load resistance when sanding dry for extended life without clogging
- Hook and loop attachment system allows quick and easy mounting and clean removal

## NORTON ICE Q255 A/O FINISHING FOAM

**BEST CHOICE FOR MOIST FINISHING OF CLEAR COATS, VARNISHES, COMPOSITES, AND GEL COATS**



### FEATURES

- Integrated foam backing
- Open mesh design
- Produces a semi-polished finish
- Hook and loop attachment system
- Color coded abrasive face by grit size

### BENEFITS

- Eliminate pigtails and costly re-work
- Conformable to contours
- Equal pressure distribution for quicker sanding
- Uniform scratch pattern
- Quick and easy to buff out
- Quick, easy mounting and removal
- Easy grit identification



**TIER:** BEST  
**BRAND:** Norton  
**TRADENAME:** PURE ICE Q175  
**ABRASIVE:** Aluminum Oxide  
**BACKING WEIGHT:** 3 mil Polyester Film  
**OTHER:** P-Graded

**TIER:** GOOD  
**BRAND:** Norton  
**TRADENAME:** Q275 NO-FIL  
**ABRASIVE:** Aluminum Oxide  
**BACKING WEIGHT:** 3 mil Polyester Film  
**OTHER:** P-Graded

**TIER:** BEST  
**BRAND:** Norton  
**TRADENAME:** ICE Q255  
**ABRASIVE:** Aluminum Oxide  
**BACKING WEIGHT:** Foam  
**OTHER:** P-Graded

| SIZE  | GRIT  | MIN./STD. PKG. | COLOR  | PART #      | PART #      | MIN./STD. PKG. | PART #  | PART #      |
|-------|-------|----------------|--------|-------------|-------------|----------------|---------|-------------|
| 3     | P800  | 50/200         | Black  | 77696088701 |             |                |         |             |
|       | P1000 | 50/200         | Red    | 77696088702 |             |                |         |             |
|       | P1200 | 50/200         | Green  | 77696088703 |             |                |         |             |
|       | P1500 | 50/200         | Blue   | 77696088704 |             | 6/24           | Blue    | 63642506022 |
|       | P3000 | 50/200         |        |             |             | 6/24           | Green   | 63642506020 |
| 5     | P80   | 50/200         |        |             | 66261101614 |                |         |             |
|       | P120  | 50/200         |        |             | 66261101613 |                |         |             |
|       | P150  | 50/200         |        |             | 66261101612 |                |         |             |
|       | P180  | 50/200         |        |             | 66261101610 |                |         |             |
|       | P220  | 50/200         |        |             | 66261101609 |                |         |             |
|       | P240  | 50/200         |        |             | 66261101608 |                |         |             |
|       | P320  | 50/200         |        |             | 66261101607 |                |         |             |
|       | P400  | 50/200         |        |             | 66261101606 |                |         |             |
|       | P600  | 50/200         |        |             | 66261101604 |                |         |             |
|       | P800  | 50/200         |        |             | 66261101603 |                |         |             |
|       | P1000 | 50/200         |        |             | 66261101602 |                |         |             |
|       | P1200 | 50/200         |        |             | 66261101601 |                |         |             |
|       | P1500 | 50/200         |        |             | 66261101600 |                |         |             |
|       | 6     | P80            | 50/200 |             |             | 66261101628    |         |             |
| P120  |       | 50/200         |        |             | 66261101627 |                |         |             |
| P150  |       | 50/200         |        |             | 66261101626 |                |         |             |
| P180  |       | 50/200         |        |             | 66261101625 |                |         |             |
| P220  |       | 50/200         |        |             | 66261101624 |                |         |             |
| P320  |       | 50/200         |        |             | 66261101622 |                |         |             |
| P800  |       | 50/200         | Black  | 77696088713 | 66261101618 |                |         |             |
| P1000 |       | 50/200         | Red    | 77696088714 | 66261101617 |                |         |             |
| P1200 |       | 50/200         | Green  | 77696088715 | 66261101616 |                |         |             |
| P1500 |       | 50/200         | Blue   | 77696088716 | 66261101615 | 15/60          | Blue    | 63642506015 |
| P2000 |       | 50/200         |        |             |             | 15/60          | Magenta | 63642506014 |
| P3000 |       | 50/200         |        |             |             | 15/60          | Green   | 63642506013 |

Refer to the following page for back-up pads and accessories.





## Norton Liquid Ice Extra-Cut Compound

- Water soluble; easy to use and easy to clean up
- Engineered to be used with a selection of 3 pads, depending on the finish required.

| DESCRIPTION                                  | STD. PKG. | STD. CASE | PART #      |
|--|-----------|-----------|-------------|
| Quart – Norton Liquid Ice Extra-Cut Compound | 1         | 4         | 63642597116 |



## Norton Liquid Ice Clean-up/Detailer Spray

- The spray detailer easily cleans up excess buffing residue and produces paint protection
- Spray it on and wipe off with a Norton Microfiber cloth ("Non-Abrasive Products" section)

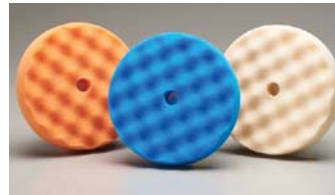
| DESCRIPTION                           | STD. PKG. | STD. CASE | PART #      |
|---------------------------------------|-----------|-----------|-------------|
| 32 oz. Spray Bottle Clean-up Detailer | 1         | 4         | 63642542082 |



## Norton Liquid Ice Ultra-Fine Machine Glaze

- Use on its own for fine scratch removal or as Step 3 in place of Norton Liquid Ice Extra-Cut Compound to eliminate swirl marks and produce a high gloss finish
- Ideal for dark-colored vehicles

| DESCRIPTION  | STD. PKG. | STD. CASE | PART #      |
|--|-----------|-----------|-------------|
| Quart – Norton Liquid Ice Ultra-Fine Machine Glaze | 1         | 4         | 63642506092 |



## 8" Hook & Loop Buffing/Polishing Waffle Pads

- These pads can be used with Norton Liquid Ice Extra-Cut Compound.

| DESCRIPTION                        | STD. PKG. | STD. CASE | PART #      |
|------------------------------------|-----------|-----------|-------------|
| 8" Orange Waffle Foam pad - Step 1 | 1         | 6         | 63642506379 |
| 8" Blue Waffle Foam Pad - Step 2   | 1         | 6         | 63642506380 |
| 8" White Waffle Foam Pad - Step 3  | 1         | 6         | 63642506381 |



## 8" and 9" Hook & Loop Buffing/Polishing Pads

- These pads can be used with Norton Liquid Ice Extra-Cut Compound following the step numbers

| DESCRIPTION                          | STD. PKG. | STD. CASE | PART #      |
|--------------------------------------|-----------|-----------|-------------|
| 8" Super Cut Wool Pad - Step 1       | 1         | 6         | 63642542077 |
| 9" Blue Cutting Foam Pad - Step 2    | 1         | 6         | 63642542078 |
| 9" White Finishing Foam Pad - Step 3 | 1         | 6         | 63642542079 |



## 3" Hook & Loop Buffing/Polishing Pads

- For small spot repair.

| DESCRIPTION                          | STD. PKG. | STD. CASE | PART #      |
|--------------------------------------|-----------|-----------|-------------|
| 3" Super Cut Wool Pad - Step 1       | 10        | 40        | 63642543832 |
| 3" Blue Cutting Foam Pad - Step 2    | 10        | 40        | 63642505459 |
| 3" White Finishing Foam Pad - Step 3 | 10        | 40        | 63642505460 |



## Low-Profile Back-up Pads for Dual Action / Random Orbital Sanders

- Soft density low-profile pads utilize 1/2" thick foam for fine finish
- Shock-resistant and have a fiberglass backing plate with a riveted 5/16"-24 threaded shank for added strength/increased heat resistance.

| DESCRIPTION                     | MAX. RPM | STD. CASE | PART #      |
|---------------------------------|----------|-----------|-------------|
| 3" Hook & Loop Soft Low-Profile | 12,000   | 10        | 63642506128 |
| 6" Hook & Loop Soft Low-Profile | 12,000   | 5         | 63642506130 |



## Black Lambswool Hook & Loop Polishing Pads

- Distributing and applying material evenly and consistently, these dense, durable, lambswool pads are designed to repair clearcoat finishes.

| DESCRIPTION                 | STD. CASE | PART #      |
|-----------------------------|-----------|-------------|
| 3" Pad with Loop – 3/4" nap | 40        | 63642503670 |
| 4" Pad with Loop – 3/4" nap | 250       | 63642503671 |



## Hook & Loop Back-up Pads for 8" and 9" Buffing Pads

- Black plastic back-up plate with hook and loop face. Moulded in 5/8"-11 threaded female hub.

| DESCRIPTION                       | STD. PKG. | STD. CASE | PART #      |
|-----------------------------------|-----------|-----------|-------------|
| 8" and 9" Hook & Loop Back-up Pad | 1         | 3         | 63642542080 |



# CLOTH PSA DISCS AND ACCESSORIES



Norton PSA (pressure sensitive adhesive) individual cloth discs and disc rolls are used on four different types of machines and the application changes depending on which machine they are used on.

**Applications:** Pneumatic and Electric Dual-Action (DA) and Electric Random Orbital Sanders – for use on contours or flat surfaces for light- to medium-pressure grinding, blending, leveling, and finishing applications

Stationary Disc Sanders – used in woodworking and metalworking for stock removal, sanding/grinding flat surfaces, dimensioning and finishing

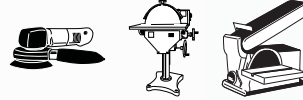
**Size Range:** 5" – 24" diameter

**Grit Range:** 24 – 180

**Abrasive Grain:** Ceramic Alumina, Zirconia Alumina, Aluminum Oxide

**Back-up Pads:** Rubber, with hardness variations for different applications, for portable machines. Steel for stationary disc sanders

**Machine Used:**



## NORTON BLAZE R980P CERAMIC ALUMINA

**BEST CHOICE FOR ALL HARD-TO-GRIND HIGH ALLOY STEELS**



**FEATURES**

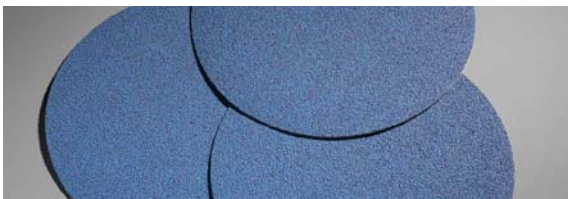
- Norton SG ceramic alumina abrasive
- Durable resin bond
- Self-lubricating supersize treatment
- Strong Y-weight polyester backing

**BENEFITS**

- Coolest cut; significantly faster cut rate
- Better grain adhesion, edge-fray resistance
- Cool cut on harder-to-grind materials
- Long life and consistent cut

## NORTON BLUEFIRE R821P ZIRCONIA ALUMINA

**BETTER CHOICE FOR GRINDING AND DEBURRING STAINLESS STEEL**



**FEATURES**

- Self-sharpening, zirconia alumina abrasive
- Heavy Y-weight backing

**BENEFITS**

- Cooler cut, extended life over aluminum oxide discs
- Durable; reduced edge wear

## NORTON METALITE R228 ALUMINUM OXIDE

**GOOD CHOICE FOR GENERAL PURPOSE METALWORKING**



**FEATURES**

- Premium aluminum oxide abrasive
- Heavy X-weight backing

**BENEFITS**

- Long life
- Durable
- Ideal for aggressive stock removal applications
- Resistant to heat

# CLOTH PSA DISCS AND ACCESSORIES

## Cloth PSA Discs for Dual-Action and Random Orbital Sanders



|                    |                    |                      |
|--------------------|--------------------|----------------------|
| <b>TIER:</b>       | <b>BEST</b>        | <b>GOOD</b>          |
| <b>BRAND:</b>      | Norton             | Norton               |
| <b>TRADENAME:</b>  | <b>BLAZE R980P</b> | <b>METALITE R228</b> |
| <b>ABRASIVE:</b>   | Ceramic Alumina    | Aluminum Oxide       |
| <b>ATTACHMENT:</b> | PSA Discs          | PSA Discs            |
| <b>OTHER:</b>      | Supersize          |                      |

|                      |
|----------------------|
| <b>GOOD</b>          |
| Norton               |
| <b>METALITE R228</b> |
| Aluminum Oxide       |
| PSA Discs Roll       |

| SIZE (D) | GRIT | MIN. / STD. PKG. | PART #       | PART #      | ROLLS/PKG / DISCS/ROLL | PART #      |
|----------|------|------------------|--------------|-------------|------------------------|-------------|
| 5        | 36   | 50/250           | 66254461506* | 66261136589 |                        |             |
|          | 40   | 50/250           | 66254461507  | 66261136588 |                        |             |
|          | 50   | 50/250           | 66254461508  | 66261136587 | 4/100                  | 66261133252 |
|          | 60   | 50/250           | 66254461509  | 66261136586 | 4/100                  | 66261133253 |
|          | 80   | 50/250           | 66254461510  | 66261136585 | 4/100                  | 66261133254 |
|          | 100  | 50/250           |              | 66261136584 |                        |             |
|          | 120  | 50/250           | 66254461512  | 66261136583 |                        |             |
|          | 150  | 50/250           |              | 66261136582 |                        |             |
| 6        | 180  | 50/250           |              | 66261136581 |                        |             |
|          | 60   | 50/250           |              | 66261136596 |                        |             |
|          | 80   | 50/250           |              | 66261136595 |                        |             |
|          | 100  | 50/250           |              | 66261136594 |                        |             |
| 8        | 120  | 50/250           |              | 66261136593 |                        |             |
|          | 180  | 50/250           |              | 66261136592 |                        |             |
|          | 36   | 50/250           |              | 66261136350 |                        |             |
|          | 40   | 50/250           |              | 66261136351 |                        |             |
|          | 50   | 50/250           |              | 66261136352 |                        |             |
|          | 60   | 50/250           |              | 66261136576 |                        |             |
|          | 80   | 50/250           |              | 66261136354 |                        |             |
|          | 120  | 50/250           |              | 66261136355 |                        |             |

\*Min./Std. Pkg.: Blaze R980 5" 36 grit discs = 50/200

## Back-up Pads for Cloth PSA Discs

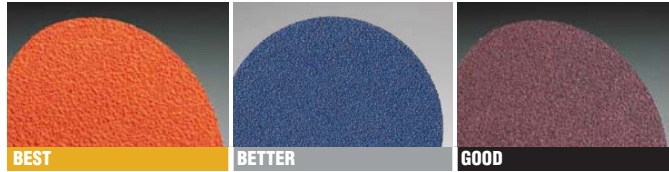
| DESCRIPTION                             | MAX. RPM | STD. PKG. | PART #      |
|---|----------|-----------|-------------|
| <b>Back-up Pads for Cloth PSA Discs</b> |          |           |             |
| 5" Diameter – Low Profile – Soft        | 12,000   | 5         | 63642506126 |
| 5" Diameter – Low Profile – Medium      | 12,000   | 5         | 63642506131 |
| 5" Diameter – Tapered – Medium          | 12,000   | 5         | 63642506139 |
| 6" Diameter – Low Profile – Soft        | 10,000   | 5         | 63642506127 |
| 6" Diameter – Low Profile – Med         | 10,000   | 5         | 63642506133 |
| 6" Diameter – Tapered – Medium          | 10,000   | 5         | 63642506141 |
| 8" Diameter – Tapered – Medium          | 6,000    | 5         | 63642543112 |



# CLOTH PSA DISCS AND ACCESSORIES

## Large Diameter Cloth PSA Discs

Used on stationary disc machines for dimensioning and finishing metal workpieces and woodworking. Pressure sensitive adhesive offers fast, convenient mounting. Made without center holes for full-face usage.



|                    |                    |                       |                      |
|--------------------|--------------------|-----------------------|----------------------|
| <b>TIER:</b>       | <b>BEST</b>        | <b>BETTER</b>         | <b>GOOD</b>          |
| <b>BRAND:</b>      | Norton             | Norton                | Norton               |
| <b>TRADENAME:</b>  | <b>BLAZE R980P</b> | <b>BLUEFIRE R821P</b> | <b>METALITE R228</b> |
| <b>ABRASIVE:</b>   | Ceramic Alumina    | Zirconia Alumina      | Aluminum Oxide       |
| <b>ATTACHMENT:</b> | PSA                | PSA                   | PSA                  |
| <b>OTHER:</b>      | Supersize          |                       |                      |

| SIZE (D) | GRIT | MIN./STD. PKG. | PART #      | PART #      | PART #      |
|----------|------|----------------|-------------|-------------|-------------|
| 10       | 36   | 25/50          |             |             | 66261136606 |
|          | 40   | 25/50          |             | 66261138314 | 66261136604 |
|          | 50   | 25/50          |             |             | 66261136607 |
|          | 60   | 25/50          |             | 66261138316 | 66261136602 |
|          | 80   | 25/50          |             | 66261138317 | 66261136601 |
|          | 100  | 25/50          |             |             | 66261136600 |
| 12       | 24   | 25/50          |             | 66261138318 |             |
|          | 36   | 25/50          | 66254416171 | 66261138319 | 66261136635 |
|          | 40   | 25/50          | 66254416172 | 66261138320 | 66261136630 |
|          | 50   | 25/50          | 66254416173 | 66261138321 | 66261136625 |
|          | 60   | 25/50          | 66254416174 | 66261138322 | 66261136620 |
|          | 80   | 25/50          | 66254416175 | 66261138323 | 66261136615 |
|          | 100  | 25/50          |             |             | 66261136614 |
|          | 120  | 25/50          | 66254416176 |             | 66261136613 |
| 15       | 36   | 25/50          |             |             | 66261136666 |
|          | 40   | 25/50          |             |             | 66261136665 |
|          | 60   | 25/50          |             |             | 66261136663 |
|          | 80   | 25/50          |             |             | 66261136662 |
| 16       | 36   | 25/50          |             |             | 66261136700 |
|          | 40   | 25/50          |             |             | 66261136685 |
|          | 50   | 25/50          |             |             | 66261136684 |
|          | 60   | 25/50          |             | 66261138334 | 66261136683 |
|          | 80   | 25/50          |             |             | 66261136701 |
| 18       | 36   | 25/50          |             |             | 66261136720 |
|          | 60   | 25/50          |             |             | 66261136696 |
|          | 80   | 25/50          |             |             | 66261136723 |
| 20       | 36   | 25/50          | 66254416165 | 66261138343 | 66261136710 |
|          | 40   | 25/50          |             | 66261138344 | 66261136709 |
|          | 50   | 25/50          | 66254416167 |             | 66261136711 |
|          | 60   | 25/50          | 66254416168 | 66261138346 | 66261136712 |
|          | 80   | 25/50          | 66254416169 |             | 66261136706 |
|          | 120  | 25/50          | 66254416170 |             |             |
| 24       | 36   | 10/10          |             |             | 66261136718 |
|          | 40   | 10/10          |             |             | 66261136717 |
|          | 50   | 10/10          |             |             | 66261136725 |
|          | 60   | 10/10          |             |             | 66261136726 |
|          | 80   | 10/10          |             |             | 66261136727 |

# FLEXIBLE DIAMOND-COATED DISCS

Norton flexible diamond coated discs combine the durability and aggressiveness of diamond, on a flexible backing.

- Applications: Grinding ceramic, glass, composites, carbide and ceramic coatings, fiberglass, and reinforced plastics; removing rust and scale on other materials; producing metallurgical stamps and coupons
- Size Range: PSA (Pressure Sensitive Adhesive) Discs: 2" – 6"  
Quick-Change TR (Type III) Discs: 2" and 3"
- Grit Range: 60 – 1500
- Abrasive Types: Diamond
- Backing Color: Color-coded backings for easily distinguished grit size selection
- Machine Used:



## NORTON D71S PSA DISCS

BETTER CHOICE FOR GRINDING GLASS, CERAMICS AND COMPOSITES, REMOVING RUST AND SCALE, AND PRODUCING METALLURGICAL STAMPS AND COUPONS

### FEATURES

- Diamond
- PSA backing

### BENEFITS

- Facilitates fast stock removal
- Quick and easy mounting and removal



| SIZE (D)                                 | COLOR  | GRIT | STD. PKG. | TIER: <b>BETTER</b><br>PART # |
|--|--------|------|-----------|-------------------------------|
| <b>Flexible Diamond Coated PSA Discs</b> |        |      |           |                               |
| 2"                                       | Green  | 60   | 1         | 66260308159                   |
|  | Black  | 120  | 1         | 66260307722                   |
|  | Red    | 200  | 1         | 66260307723                   |
|  | Yellow | 400  | 1         | 66260308160                   |
|  | White  | 800  | 1         | 66260307012                   |
| 5"                                       | Green  | 60   | 1         | 66260307839                   |
|  | Black  | 120  | 1         | 66260307838                   |
|  | Red    | 200  | 1         | 66260307019                   |
|  | Yellow | 400  | 1         | 66260307960                   |

| SIZE (D)                                 | COLOR | GRIT | STD. PKG. | TIER: <b>BETTER</b><br>PART # |
|--|-------|------|-----------|-------------------------------|
| <b>Flexible Diamond Coated PSA Discs</b> |       |      |           |                               |
| 6"                                       | Green | 60   | 1         | 66260306381                   |
|  | Black | 120  | 1         | 66260306382                   |
|  | Red   | 200  | 1         | 66260306383                   |

See Coated Abrasive Cloth PSA Disc section for back-up pads.

## NORTON D7210 QUICK-CHANGE TR (TYPE III) DISCS

BETTER CHOICE FOR IMPROVED CUT RATE AND FINISH ON CERAMICS, GLASS, FIBERGLASS, COMPOSITES, CARBIDE, AND OTHER TOUGH METALS AND COATINGS

### FEATURES

- Unique abrasive pattern
- TR (Type III) fastener

### BENEFITS

- Increased aggressiveness, durability and lower costs versus standard diamond discs
- Rapid, tool-free disc changes mean maximum grind time
- Discs stay firmly locked to back-up pad when in use




| SIZE (D)  | COLOR  | GRIT | STD. PKG. | TIER: <b>BETTER</b><br>PART # |
|---|--------|------|-----------|-------------------------------|
| <b>Flexible Diamond Coated Quick-Change TR (Type III) Discs</b> |        |      |           |                               |
| 2"  | Green  | 60   | 12        | 66260311778                   |
|   | Black  | 120  | 12        | 66260311779                   |
|   | Red    | 200  | 12        | 66260311780                   |
|   | Yellow | 400  | 12        | 66260311781                   |
|   | White  | 800  | 12        | 66260311782                   |

| SIZE (D)  | COLOR  | GRIT | STD. PKG. | TIER: <b>BETTER</b><br>PART # |
|---|--------|------|-----------|-------------------------------|
| <b>Flexible Diamond Coated Quick-Change TR (Type III) Discs</b> |        |      |           |                               |
| 3"  | Green  | 60   | 12        | 66260311783                   |
|   | Black  | 120  | 12        | 66260311784                   |
|   | Red    | 200  | 12        | 66260311785                   |
|   | Yellow | 400  | 12        | 66260311786                   |

See Coated Abrasive Quick-Change Disc section for back-up pads.



Tool-free, twist-on and -off fastening systems make fast work of disc changes to maximize productivity by minimizing downtime.

- Applications:** Fiber and NorKut trimmable hard plastic discs: welding, grinding and blending; heavy metal removal; light deburring and finishing  
Cloth discs: light- to medium-pressure grinding; blending, leveling and finishing applications; for use on contours or flat surfaces
- Size Range:** 9/16" – 4" diameter
- Grit Range:** 24 – 320
- Abrasive Grain:** Ceramic Alumina, Zirconia Alumina, Aluminum Oxide, Silicon Carbide
- Backing:** Fiber or cloth
- Cloth Flex:** 3-ply (more aggressive), 2-ply (standard), or 1-ply (more flexible) lamination
- Attachment:** Type TS (II), Type TR (III), and Type TP (I)
- Back-up Pads:** Rubber with hardness variations for different applications
- Machine Used:** 



## COATED ABRASIVE QUICK-CHANGE DISC AVAILABILITY



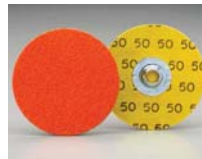
### Fiber

- The most heavy-duty discs with resin over resin construction on heavy-duty vulcanized fiber backing
- Premium grain for applications from heavy stock removal to surface blending



### NorKut

- Unique polymer backing resists cracking and breakage and can be cut down up to the 1" core
- Use the cores to grind "pinch" welds and other hard-to-reach areas



### Cloth 3-Ply

- These heavy-duty, 3-ply polyester laminate construction discs are the most aggressive and durable cloth discs on the market



### Cloth 2-Ply

- Our standard 2-ply laminate construction creates an aggressive and durable cloth disc for flat surfaces



### Cloth 1-Ply

- The flexible, 1-ply cotton laminate construction offers added conformability on contoured surfaces or any application where added flexibility is needed

## QUICK-CHANGE ATTACHMENT SYSTEMS AND CROSS REFERENCE GUIDE

Each system enables quick, safe disc changes, reducing downtime and operating expenses.

### Type TS (Type II)

- Features a turn-on/turn-off style fastener
- Fastener is made of metal
- Equivalent to Standard Abrasives SocAtt® locking system



### Type TR (Type III)

- Features a roll-on/roll-off style fastener
- Fastener is made of plastic
- Equivalent to 3M™ Roloc™ fastening system



### Type TP (Type I)

- Features a snap-on/snap-off style fastener
- Fastener is made of nylon

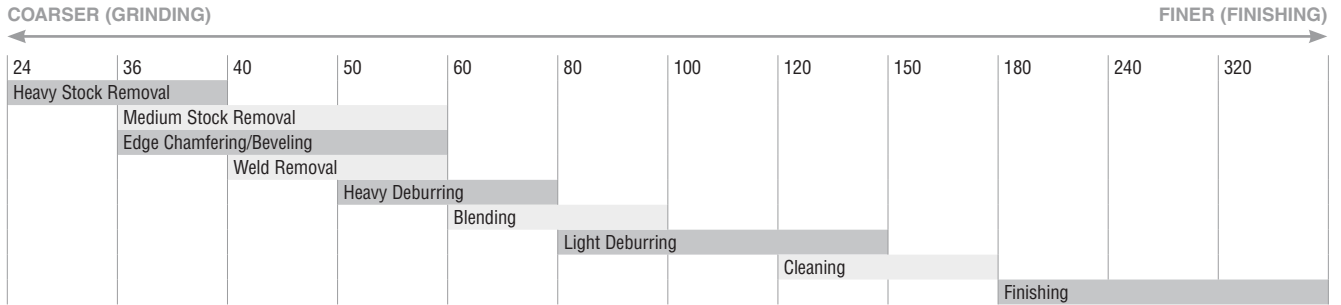


| NORTON    | TS           | TR          | TP           |
|-----------|--------------|-------------|--------------|
| MERIT     | Type II      | Type III    | Type I       |
| 3M        | Roloc TS/TSM | Roloc TR    | Roloc TP     |
| Standard  | TS (SocAtt)  | TR (Lockit) | TP (ClickOn) |
| Superior  | Type S       | Type R      | –            |
| Arc       | Type S       | Type R      | Type P       |
| Pferd     | Type CD      | Type CDR    | –            |
| Sait      | SAIT-LOK     | SAIT-LOK-R  | –            |
| Camel     | Turn On      | Roll On     | –            |
| Klingspor | QMC          | QRC         | –            |
| Garryson  | Type S       | Type R      | –            |

**MATERIAL/APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE**

|   | <b>BEST</b><br>Highest Productivity;<br>Lowest Total Cost | <b>BETTER</b><br>Excellent Blend of<br>Performance & Price | <b>GOOD</b><br>Consistent Performance;<br>Low Initial Price |
|---|---|--|---|
| Stainless Steel / Titanium / Super Alloys | Norton Blaze R980P  | Norton BlueFire R884P                                      | Norton R766   |
| Mild Carbon Steel / Welds                 | Norton Red Heat R983                                      | Norton BlueFire R884P                                      | Norton R766   |
| Ferrous Metals / Cast Iron                | Norton Red Heat R983                                      | Norton BlueFire R884P                                      | Norton R766   |
| Brass / Bronze / Aluminum                 | –   | Norton BlueFire R884P                                      | Norton R766   |
| Paint / Glue / Adhesive                   | –   | –  | Norton R766   |
| Concrete / Stone / Fiberglass             | –   | –  | Merit Silicon Carbide                                       |

**APPLICATION/GRIT RECOMMENDATION GUIDE**



**CROSS REFERENCE GUIDE**

|               | TOTAL PERFORMANCE             |                               |                      | INITIAL PRICE  |                                  |                     |
|---------------|-------------------------------|-------------------------------|----------------------|--|----------------------------------|---------------------|
|               | <b>BEST</b>                   | <b>BETTER</b>                 | <b>GOOD</b>          |  |                                  |                     |
| Abrasive      | Ceramic Alumina<br>Full Ratio | Ceramic Alumina<br>Full Ratio | Zirconia Alumina     | Aluminum Oxide   | Aluminum Oxide                   | Silicon Carbide     |
| Backing       | Fiber                         | Cloth                         | Cloth                | Cloth  | Cloth                            | Cloth               |
| <b>NORTON</b> | Blaze F980                    | Blaze R980P                   | BlueFire R884P       | R766   | –                                | –                   |
| <b>MERIT</b>  | –                             | –                             | –                    | –  | Aluminum Oxide                   | Silicon Carbide     |
| 3M            | 983C, 988C                    | 963G, 977F,<br>785C, 777F     | –                    | –  | 361F                             | 461F                |
| Standard      | –                             | Ceramic Pro, Ceramic          | Zirconia             | A/O Extra, A/O Pro                                       | A/O                              | Silicon Carbide     |
| Superior      | –                             | Ceramic G.A.                  | Premium Zirc         | A/O with Grinding Aid                                    | Premium A/O, Rigid<br>Kut A/O    | –                   |
| Arc           | –                             | –                             | Zirconia/ Y Standard | A/O/X Plus Coolant                                       | A/O/Y Premium                    | –                   |
| Pferd         | Ceramic Oxide CO              | Ceramic                       | ZA Z                 | Aluminum Oxide<br>A-Plus, Aluminum<br>Oxide A-INOX-FORTE | Aluminum Oxide A,<br>A/O A-FORTE | Silicon Carbide SiC |
| Sait          | –                             | –                             | Z                    | 3A   | 2A-H, 2A                         | –                   |
| Camel         | –                             | –                             | Zirconia AO          | –  | Aluminum Oxide                   | –                   |
| Klingspor     | –                             | Ceramic                       | Alumina Zirconia     | –  | Aluminum Oxide                   | –                   |
| Garryson      | –                             | Ceramic                       | –                    | –  | Aluminum Oxide                   | –                   |

**Power at Your Finger Tips – The World in the Palm of Your Hand**

Put the world right in the palm of your hand with our 2" Norton Mini Angle Sander. Small, compact enough to get into those hard-to-reach areas, and powerful enough to finish the job fast and efficiently.



**Features and Benefits**

- A double-bearing spindle generates superb concentricity, reducing vibrations allowing for longer use and finer finishes
- Finesse your projects by having the ultimate control in both precision and power with the speed regulator
- Get better tool handling along with reducing additional fatigue with the ergonomic and streamlined non-slip grip

| DESCRIPTION   | STD. PKG. | PART #      |
|---|-----------|-------------|
| <b>Norton Mini Angle Sander</b>   |           |             |
| Norton 2" Mini Angle Sander   | 1         | 66261150076 |
| Norton 2" Mini Angle Sander Kit – kit includes:   | 1         | 66261150077 |
| • 1 Norton mini angle sander  |           |             |
| • 25 Norton Blaze 2" 36 grit 3-ply heavy-duty TR (Type III) cloth quick-change discs    |           |             |
| • 50 Norton Vortex Rapid Prep 2" Medium grit TR (Type III) non-woven quick-change discs |           |             |
| • 1 Norton medium density back-up pad   |           |             |

Ceramic Alumina Quick-Change Fiber Discs

NORTON BLAZE F980 CERAMIC ALUMINA FIBER

BEST CHOICE FOR TOUGH APPLICATIONS AND STAINLESS STEEL

FEATURES & BENEFITS

- Norton SG ceramic grain with self-lubricating, supersize treatment provides coolest cut with significantly faster cut rates
- Heaviest fiber backing, greater durability, longest life, and edge-fray resistance

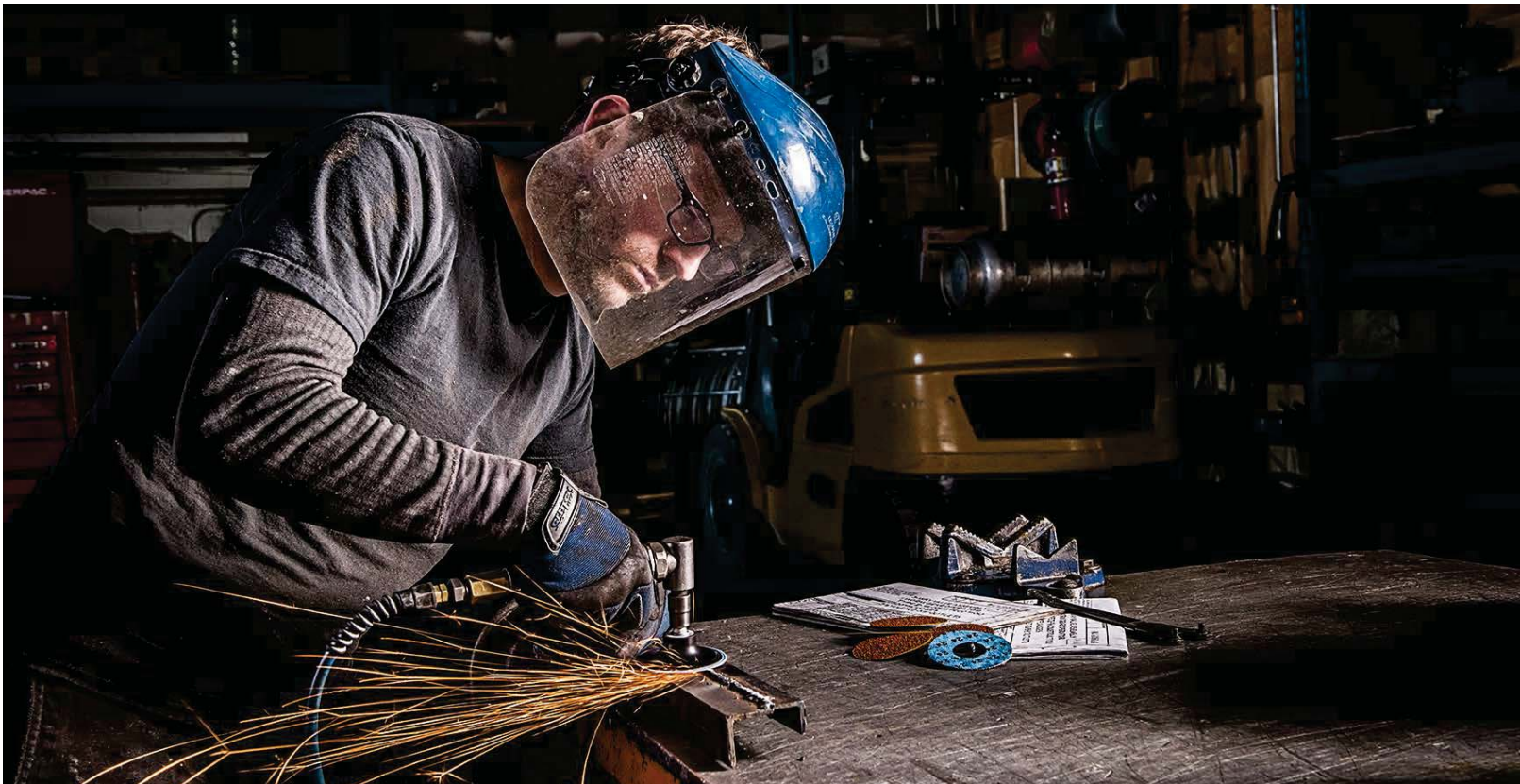


TIER: **BEST**  
 BRAND: Norton  
 TRADENAME: **BLAZE F980**  
 ABRASIVE: Ceramic Alumina  
 BACKING: Fiber – Heavy Duty  
 OTHER: Supersize  
 ATTACHMENT: TR (Type III)



| SIZE (D) | GRIT | STD. PKG. | PART #      |
|----------|------|-----------|-------------|
| 2        | 24   | 25        | 77696090139 |
|          | 36   | 25        | 66261058704 |
|          | 50   | 25        | 66261058705 |
|          | 60   | 25        | 66261058706 |
|          | 80   | 25        | 66261058707 |
| 3        | 24   | 25        | 77696090140 |
|          | 36   | 25        | 66261058708 |
|          | 50   | 25        | 66261058709 |
|          | 60   | 25        | 66261058711 |
|          | 80   | 25        | 66261058712 |

Quick-Change back-up pads shown at the end of this section.





Ceramic Alumina Quick-Change Cloth Discs

NORTON BLAZE R980P CERAMIC ALUMINA CLOTH

**BEST CHOICE FOR TOUGH APPLICATIONS, TITANIUM, SUPER ALLOYS, AND STAINLESS STEEL (3-PLY) OR CONTOUR SURFACES (2-PLY)**

FEATURES AND BENEFITS

- Next-generation, Norton SG ceramic alumina grain with self-lubricating, supersize treatment provides coolest cut and significantly faster cut rates
- 3-ply heavy-duty laminate discs (Y-weight polyester yellow backing) are more aggressive; for greatest durability, longest life, and edge-fray resistance on tough applications and stainless steel
- 2-ply laminate disc (Y-weight polyester red backing) construction is the standard for an aggressive and durable cloth disc for flat surfaces



NORTON RED HEAT R983 CERAMIC ALUMINA CLOTH

**BEST/HIGH PRODUCTIVITY FOR MILD CARBON STEEL, CAST IRON AND FERROUS METALS**

FEATURES & BENEFITS

- Our exclusive premium ceramic alumina abrasive blend cuts faster and outlasts aluminum oxide and zirconia abrasives in most applications.
- Safer, more environmentally-stable black abrasive does not contain performance-inhibiting dyes or formaldehydes, eliminating color-transfer issues
- This 1-ply laminate disc (Y-weight polyester red backing) sets the standard for flexibility and conformability
- Advanced self-lubricating grain treatment reduces heat on hard-to-grind materials
- Enhanced grain/bond adhesion requires less pressure for a cooler cut; less operator fatigue



MERIT CERAMIC ALUMINA PLUS CLOTH

**BEST/HIGH PRODUCTIVITY FOR HARD-TO-GRIND ALLOYS**

FEATURES & BENEFITS

- Quality ceramic alumina abrasive provides long life and value
- The grinding aid produces longer life and cooler cut
- Heavy, Y-weight polyester backing provides excellent durability and grain adhesion





Ceramic Alumina Quick-Change Cloth Discs (continued)



|             |                               |                               |                             |                             |                             |                             |
|-------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| TIER:       | <b>BEST</b>                   | <b>BEST</b>                   | <b>BEST</b>                 | <b>BEST</b>                 | <b>BEST</b>                 | <b>BEST</b>                 |
| BRAND:      | Norton                        | Norton                        | Norton                      | Norton                      | Norton                      | Norton                      |
| TRADENAME:  | <b>BLAZE R980P</b>            | <b>BLAZE R980P</b>            | <b>BLAZE R980P</b>          | <b>BLAZE R980P</b>          | <b>RED HEAT R983</b>        | <b>RED HEAT R983</b>        |
| ABRASIVE:   | Ceramic Alumina               | Ceramic Alumina               | Ceramic Alumina             | Ceramic Alumina             | Ceramic Alumina             | Ceramic Alumina             |
| BACKING:    | Polyester<br>3-Ply Heavy-Duty | Polyester<br>3-Ply Heavy-Duty | Polyester<br>2-Ply Standard | Polyester<br>2-Ply Standard | Polyester<br>1-Ply Flexible | Polyester<br>1-Ply Flexible |
| OTHER:      | Supersize                     | Supersize                     | Supersize                   | Supersize                   | Supersize                   | Supersized                  |
| ATTACHMENT: | TS (Type II)                  | TR (Type III)                 | TS (Type II)                | TR (Type III)               | TS (Type II)                | TR (Type III)               |

| SIZE (D) | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #       | PART #      |
|----------|------|-----------|-------------|-------------|-------------|-------------|--------------|-------------|
| 1-1/2    | 36   | 100       | 66261162307 | 66261162308 | 63642595401 | 63642595465 | 66261132706* | 66261132724 |
|          | 50   | 100       | 66261162309 | 66261162310 | 63642595446 | 63642595467 | 66261132707  | 66261132725 |
|          | 60   | 100       | 66261162311 | 66261162312 | 63642595447 | 63642595468 | 66261132708  | 66261132726 |
|          | 80   | 100       | 66261162313 | 66261162314 | 63642595450 | 63642595469 | 66261132709  | 66261132727 |
|          | 120  | 100       | 66261043379 | 66261043380 | 66261043416 | 66261043417 | 66261132710  | 66261132728 |
| 2        | 36   | 25        | 66261162317 | 66261162318 | 63642595452 | 63642595470 | 66261132712  | 66261132730 |
|          | 50   | 25        | 66261162319 | 66261162320 | 63642595456 | 63642595472 | 66261132713  | 66261132731 |
|          | 60   | 25        | 66261162321 | 66261162322 | 63642595458 | 63642595476 | 66261132714  | 66261132732 |
|          | 80   | 25        | 66261162323 | 66261162324 | 63642595459 | 63642595478 | 66261132715  | 66261132733 |
|          | 100  | 25        | 66261043382 | 66261043383 | 66261043418 | 66261043419 |              |             |
| 3        | 36   | 25        | 66261162327 | 66261162328 | 63642595460 | 63642595479 | 66261132716  | 66261132734 |
|          | 50   | 25        | 66261162329 | 66261162330 | 63642595462 | 63642595480 | 66261132718  | 66261132736 |
|          | 60   | 25        | 66261162331 | 66261162332 | 63642595463 | 63642595481 | 66261132719  | 66261132737 |
|          | 80   | 25        | 66261162333 | 66261162334 | 63642595464 | 63642595493 | 66261132720  | 66261132738 |
|          | 100  | 25        | 66261043389 | 66261043390 | 66261043422 | 66261043423 | 66261132721  | 66261132739 |
|          | 120  | 52        | 66261043391 | 66261043392 | 66261043424 | 66261043425 | 66261132722  | 66261132740 |

Quick-Change back-up pads shown at the end of this section.



Ceramic Alumina Quick-Change Cloth Discs (continued)



|             |                             |                             |                             |
|-------------|-----------------------------|-----------------------------|-----------------------------|
| TIER:       | <b>BEST</b>                 | <b>BEST</b>                 | <b>BEST</b>                 |
| BRAND:      | Merit                       | Merit                       | Merit                       |
| TRADENAME:  | <b>CERAMIC ALUMINA PLUS</b> | <b>CERAMIC ALUMINA PLUS</b> | <b>CERAMIC ALUMINA PLUS</b> |
| ABRASIVE:   | Ceramic Alumina             | Ceramic Alumina             | Ceramic Alumina             |
| BACKING:    | Polyester<br>2-Ply Standard | Polyester<br>2-Ply Standard | Polyester<br>2-Ply Standard |
| OTHER:      | Supersized<br>TS (Type II)  | Supersize<br>TR (Type III)  | Supersized<br>TP (Type I)   |
| ATTACHMENT: |                             |                             |                             |

| SIZE (D) | GRIT | STD. PKG.   | PART #      | PART #      | PART #      |
|----------|------|-------------|-------------|-------------|-------------|
| 9/16     | 36   | 100         | 08834163315 |             | 08834163000 |
|          | 40   | 100         | 08834163316 |             | 08834163003 |
|          | 50   | 100         | 08834163317 |             |             |
|          | 60   | 100         | 08834163318 |             | 08834163005 |
|          | 80   | 100         | 08834163319 |             | 08834163014 |
|          | 120  | 100         | 08834163320 |             | 08834163017 |
| 3/4      | 36   | 100         | 08834163321 |             | 08834163020 |
|          | 40   | 100         |             | 08834163393 | 08834163021 |
|          | 50   | 100         | 08834163324 | 08834163394 | 08834163022 |
|          | 60   | 100         | 08834162239 | 08834163395 | 08834163023 |
|          | 80   | 100         | 08834163339 |             | 08834163024 |
|          | 120  | 100         | 08834163362 | 08834163397 | 08834163027 |
| 1        | 36   | 100         | 08834163374 | 08834163398 | 08834163028 |
|          | 40   | 100         | 08834163375 | 08834163400 | 08834163030 |
|          | 50   | 100         | 08834163376 | 08834163401 |             |
|          | 60   | 100         | 08834162240 | 08834163402 | 08834163042 |
|          | 80   | 100         | 08834163378 | 08834163403 | 08834163043 |
|          | 120  | 100         | 08834163379 | 08834163404 | 08834163112 |
| 1-1/2    | 24   | 100         | 08834163421 | 08834163405 | 08834163113 |
|          | 36   | 100         |             |             | 08834163114 |
|          | 50   | 100         | 08834163252 |             | 08834163115 |
|          | 60   | 100         | 08834160463 | 08834163407 | 08834163116 |
|          | 80   | 100         | 08834163273 | 08834163408 | 08834163117 |
|          | 120  | 100         | 08834168653 |             | 08834168650 |
| 2        | 24   | 100         | 08834163118 | 08834160449 | 08834163119 |
|          | 36   | 100         |             |             | 08834163120 |
|          | 50   | 100         | 08834163259 | 08834163411 | 08834163121 |
|          | 60   | 100         | 08834163551 | 08834163412 | 08834163231 |
|          | 80   | 100         | 08834163381 | 08834165615 | 08834163219 |
|          | 100  | 100         |             |             |             |
| 3        | 120  | 100         | 08834163382 | 08834168657 | 08834168651 |
|          | 24   | 50          | 08834163383 | 08834160458 | 08834163238 |
|          | 36   | 50          |             |             | 08834163245 |
|          | 50   | 50          | 08834163385 | 08834163414 | 08834168275 |
|          | 60   | 50          | 08834163386 | 08834163415 | 08834163266 |
|          | 80   | 50          | 08834163387 | 08834168178 | 08834169701 |
| 4        | 100  | 50          |             |             | 08834163448 |
|          | 120  | 50          | 08834168655 | 08834168658 | 08834168652 |
|          | 36   | 50          | 08834162742 | 08834163416 | 08834163280 |
|          | 40   | 50          | 08834163388 | 08834163417 |             |
|          | 50   | 50          | 08834162743 | 08834163418 |             |
|          | 60   | 50          | 08834163389 | 08834162992 | 08834163301 |
| 80       | 50   | 08834163390 | 08834163419 |             |             |
|          | 120  | 50          | 08834163391 | 08834163420 | 08834163314 |

Merit Ceramic Plus Stock/Non-Stock Status:  
 TS: 2" and 3" are stock part numbers; all other sizes are non-stock.  
 TR: 1-1/2", 2", and 3" part numbers are stock; all other sizes are non-stock.  
 TP: All sizes are non-stock.  
 Please call for lead-times.

Quick-Change back-up pads shown at the end of this section.

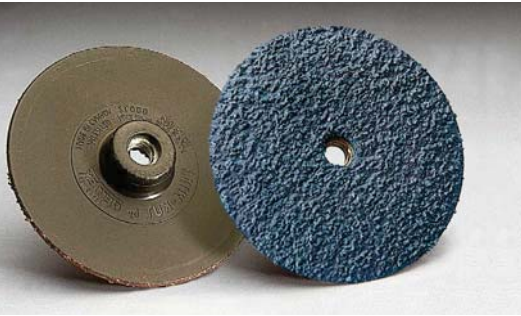
Zirconia Alumina Specialty Quick-Change Discs

NORTON NORKUT ZIRCONIA ALUMINA POLYMER

BETTER CHOICE FOR HARD-TO-GRIND AREAS WHERE FLEXIBILITY IS NOT REQUIRED

FEATURES AND BENEFITS

- Zirconia alumina grain is resin bonded to a unique polymer backing which resists cracking and breaking and can be trimmed to the 1" core
- Use the cores to grind "pinch" welds and other hard-to-reach areas
- Used with a quick change mandrel: 7/16"-20 threaded for hand-held pneumatic grinders or 1/4" mandrel for automotive drills



|             |                  |
|-------------|------------------|
| TIER:       | <b>BETTER</b>    |
| BRAND:      | Norton           |
| TRADENAME:  | <b>NORKUT</b>    |
| ABRASIVE:   | Zirconia Alumina |
| BACKING:    | Extra HD Polymer |
| ATTACHMENT: | Threaded Hole    |

| SIZE (D)        | GRIT | STD. PKG. | PART #      |
|-----------------|------|-----------|-------------|
| 3               | 24   | 20        | 63642503656 |
|                 | 36   | 20        | 63642503657 |
|                 | 50   | 20        | 63642503658 |
| 7/16-20 Mandrel | -    | 5         | 63642503659 |
| 1/4" Mandrel    | -    | 5         | 63642503660 |

Zirconia Alumina Quick-Change Cloth Discs

NORTON BLUEFIRE R884P ZIRCONIA ALUMINA CLOTH

BETTER CHOICE FOR SOFT METALS, WOOD, STAINLESS STEEL, AND CARBON

FEATURES AND BENEFITS

- Premium, versatile, self-sharpening zirconia alumina plus grain provides aggressive cut and up to 30% longer life than competitive zirconia alumina product
- Strong resin bond improves base adhesion and reduces grain shedding
- Advanced grain coating results in longer life and faster cut rate
- Semi-open coat retards loading on soft metals (aluminum, brass, and bronze) and wood, as well as stainless steel and carbon steel
- Durable, Y-weight, 2-ply polyester backing stands up to demanding applications: high-pressure and hard-to-grind exotic alloys



MERIT ZIRC PLUS CLOTH

BETTER CHOICE FOR STAINLESS STEEL, TITANIUM AND OTHER EXOTIC ALLOYS

FEATURES AND BENEFITS

- Self-sharpening zirconia alumina plus grain makes this a better choice for demanding grinding applications
- Strong resin bond improves base adhesion and reduces grain shedding
- The grinding aid produces longer life and cooler cut
- Heavy, Y-weight polyest backing provides excellent durability and grain adhesion





Zirconia Alumina Quick-Change Cloth Discs (continued)



|  |                          |                          |                          |                          |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>TIER:</b> BETTER                      | <b>BETTER</b>            | <b>BETTER</b>            | <b>BETTER</b>            | <b>BETTER</b>            |
| <b>BRAND:</b> Norton                     | Norton                   | Norton                   | Merit                    | Merit                    |
| <b>TRADENAME:</b> BLUEFIRE R884P         | <b>BLUEFIRE R884P</b>    | <b>BLUEFIRE R884P</b>    | <b>ZIRC PLUS</b>         | <b>ZIRC PLUS</b>         |
| <b>ABRASIVE:</b> Zirconia Alumina        | Zirconia Alumina         | Zirconia Alumina         | Zirconia Alumina         | Zirconia Alumina         |
| <b>BACKING:</b> Polyester 2-Ply Standard | Polyester 2-Ply Standard | Polyester 2-Ply Standard | Polyester 2-Ply Standard | Polyester 2-Ply Standard |
| <b>OTHER:</b>                            |                          |                          |                          |                          |
| <b>ATTACHMENT:</b> TS (Type II)          | TR (Type III)            | TS (Type II)             | TR (Type III)            | TP (Type I)              |

| SIZE (D) | GRIT | STD. PKG. | PART #       | PART #       | PART #*     | PART #*     | PART #*     |
|----------|------|-----------|--------------|--------------|-------------|-------------|-------------|
| 1        | 36   | 100       |              |              |             | 08834167093 | 08834167009 |
|          | 40   | 100       |              |              | 08834167052 | 08834167094 | 08834167010 |
|          | 50   | 100       | 66261138609  |              | 08834167053 | 08834167095 | 08834167011 |
|          | 60   | 100       | 66261138608  |              |             | 08834167096 | 08834167012 |
|          | 80   | 100       | 66261138607  |              |             | 08834167097 | 08834167013 |
|          | 120  | 100       |              |              | 08834167057 | 08834167099 | 08834167015 |
| 1-1/2    | 36   | 100       | 66261138624  | 66261121041  | 08834167058 |             | 08834167016 |
|          | 40   | 100       |              |              |             | 08834167101 |             |
|          | 50   | 100       | 66261138622  |              |             | 08834167102 | 08834167018 |
|          | 60   | 100       | 66261138621  | 66261121043  | 08834167061 | 08834167103 | 08834167019 |
|          | 80   | 100       | 66261138620  | 66261121044  | 08834167062 | 08834167104 |             |
|          | 120  | 100       |              |              | 08834167064 | 08834167106 |             |
| 2        | 24   | 100       | 66261138638* | 66261138672* |             |             |             |
|          | 36   | 100       | 66261138637* | 66261138671  | 08834167065 | 08834167107 | 08834167023 |
|          | 40   | 100       |              |              | 08834167066 | 08834167108 |             |
|          | 50   | 100       | 66261138635* | 66261138670* | 08834165583 | 08834167109 | 08834167025 |
|          | 60   | 100       | 66261138634* | 66261121048* | 08834167068 | 08834167110 | 08834167026 |
|          | 80   | 100       | 66261138633* | 66261121049* | 08834167069 | 08834167111 | 08834167027 |
| 3        | 120  | 100       |              |              | 08834167071 | 08834167113 | 08834167029 |
|          | 24   | 50        | 66261138665* | 66261138675* |             |             |             |
|          | 36   | 50        | 66261138664* | 66261138674* | 08834167072 | 08834167114 | 08834167030 |
|          | 40   | 50        |              |              | 08834167073 |             |             |
|          | 50   | 50        | 66261138662* | 66261138673* | 08834167074 | 08834167116 | 08834167032 |
|          | 60   | 50        | 66261138661* | 66261121053* | 08834167075 | 08834167117 | 08834167033 |
| 4        | 80   | 50        | 66261138660* | 66261121054* | 08834167076 | 08834167118 | 08834167034 |
|          | 120  | 50        |              |              | 08834167078 | 08834167120 | 08834167036 |
|          | 36   | 50        | 66261138683* |              | 08834167079 |             |             |
|          | 40   | 50        |              |              | 08834167080 |             |             |
|          | 50   | 50        | 66261138681* |              | 08834167081 |             |             |
|          | 60   | 50        | 66261137343* |              | 08834167082 |             | 08834167040 |
| 4        | 80   | 50        | 66261138679* |              | 08834167083 |             |             |
|          | 120  | 50        |              |              | 08834167085 |             | 08834167043 |

\* Standard Package = 25 discs

\* Merit Zirc Plus Stock/Non-Stock Status:

TS: 1" 80 grit, 1-1/2", 2" and 3" are stock part nos.; 4" part nos. are non-stock.

TR: 1" 60, 80 and 120 grit, 1-1/2", 2", and 3" part nos. are stock; 1" 36, 40, and 50 grit part nos. are non-stock.

TP: 2" and 3" part nos. are stock; all other sizes are non-stock.

Please call for lead-times.

Quick-Change back-up pads shown at the end of this section.

Quick-Change Disc Test Kit



Merit Quick-Change Test Kit "D"

- Part # 08834165001
- Includes 150 discs, assorted grits, in 1", 2", and 3" diameters and 3" back-up pads
- Primarily aluminum oxide cloth quick-change discs
- Several zirconia alumina and FlexEdge discs are included



Aluminum Oxide Quick-Change Cloth Discs

NORTON R766 ALUMINUM OXIDE CLOTH

**GOOD CHOICE FOR DIFFICULT-TO-GRIND MATERIALS THAT REQUIRE AN ECONOMICAL OPTION**

FEATURES AND BENEFITS

- Premium aluminum oxide blend for aggressive cut and longer life than competitive aluminum oxide discs
- Durable Y-weight, 2-ply polyester backing and coating for longer life and faster cut rate on moderately-demanding applications
- Vendible packs, ideal for vending machines, small jobs, or carrying to a job site



VENDIBLE

MERIT ALUMINUM OXIDE CLOTH

**GOOD CHOICE WHEN INITIAL PRICE IS THE PRIMARY CONSIDERATION**

FEATURES AND BENEFITS

- Versatile aluminum oxide blend for aggressive cut and longer life than competitive aluminum oxide discs
- Durable X-weight (finer grits) or Y-weight (coarser grits) 2-ply polyester backing and coating for longer life and faster cut rate on moderately-demanding applications
- Good choice for difficult-to-grind materials (aluminum, brass, bronze, stainless, carbon steel, and titanium) and applications requiring an economical option



| TIER:       | GOOD                        | GOOD                        | GOOD                        | GOOD                        | GOOD                        | GOOD                        |
|-------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| BRAND:      | Norton                      | Norton                      | Norton                      | Merit                       | Merit                       | Merit                       |
| TRADENAME:  | <b>R766</b>                 | <b>R766</b>                 | <b>R766</b>                 | <b>ALUMINUM OXIDE</b>       | <b>ALUMINUM OXIDE</b>       | <b>ALUMINUM OXIDE</b>       |
| ABRASIVE:   | Aluminum Oxide Blend        | Aluminum Oxide Blend        | Aluminum Oxide Blend        | Aluminum Oxide              | Aluminum Oxide              | Aluminum Oxide              |
| BACKING:    | Polyester<br>2-Ply Standard | Polyester<br>2-Ply Standard | Polyester<br>2-Ply Standard | Polyester<br>2-Ply Standard | Polyester<br>2-Ply Standard | Polyester<br>2-Ply Standard |
| ATTACHMENT: | TS (Type II)                | TR (Type III)               | TP (Type I)                 | TS (Type II)                | TR (Type III)               | TP (Type I)                 |
|             |                             |                             |                             |                             |                             |                             |

| SIZE (D) | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      |
|----------|------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| 3/4      | 24   | 100       |             |             |             | 69957399601 | 69957399669 | 69957399737 |
|          | 36   | 100       |             |             | 66623318933 | 69957399602 | 69957399670 | 69957399738 |
|          | 40   | 100       |             |             |             | 69957399603 | 69957399671 | 69957399739 |
|          | 50   | 100       |             |             | 66623318935 | 69957399604 | 69957399672 | 69957399740 |
|          | 60   | 100       |             |             |             | 69957399605 | 69957399673 | 69957399741 |
|          | 80   | 100       |             |             | 66623318937 | 69957399606 | 69957399674 | 69957399742 |
|          | 100  | 100       |             |             |             | 69957399607 | 69957399675 | 69957399743 |
|          | 120  | 100       |             |             |             | 69957399608 | 69957399676 | 69957399744 |
|          | 150  | 100       |             |             |             | 69957399609 | 69957399677 | 69957399745 |
|          | 180  | 100       |             |             |             | 69957399610 | 69957399678 | 69957399746 |
|          | 240  | 100       |             |             |             | 69957399611 | 69957399679 | 69957399747 |
|          | 320  | 100       |             |             |             | 69957399612 | 69957399680 | 69957399748 |
| 1        | 24   | 100       |             |             |             | 69957399613 | 69957399681 | 69957399749 |
|          | 36   | 100       | 66623318957 |             | 66623318950 | 69957399614 | 69957399682 | 69957399750 |
|          | 40   | 100       |             |             | 66623318951 | 69957399615 | 69957399683 | 69957399751 |
|          | 50   | 100       | 66623318959 |             | 66623318952 | 69957399616 | 69957399684 | 69957399752 |
|          | 60   | 100       | 66623318960 |             | 66623318953 | 69957399617 | 69957399685 | 69957399753 |
|          | 80   | 100       | 66623318961 |             | 66623318956 | 69957399618 | 69957399686 | 69957399754 |
|          | 100  | 100       | 66261132500 | 66261132517 |             | 69957399619 | 69957399687 | 69957399755 |
|          | 120  | 100       | 66261132501 | 66261132518 |             | 69957399620 | 69957399688 | 69957399756 |
|          | 150  | 100       |             |             |             | 69957399621 | 69957399689 | 69957399757 |
|          | 180  | 100       |             |             |             | 69957399622 | 69957399690 | 69957399758 |
|          | 240  | 100       |             |             |             | 69957399623 | 69957399691 | 69957399759 |
|          | 320  | 100       |             |             |             | 69957399624 | 69957399692 | 69957399760 |

\* Merit Aluminum Oxide Stock/Non-Stock status: All Merit Aluminum Oxide part nos. are stock products.  
Continued

Aluminum Oxide Quick-Change Cloth Discs (continued)



|             |                |                |                |                       |                       |                       |
|-------------|----------------|----------------|----------------|-----------------------|-----------------------|-----------------------|
| TIER:       | <b>GOOD</b>    | <b>GOOD</b>    | <b>GOOD</b>    | <b>GOOD</b>           | <b>GOOD</b>           | <b>GOOD</b>           |
| BRAND:      | Norton         | Norton         | Norton         | Merit                 | Merit                 | Merit                 |
| TRADENAME:  | <b>R766</b>    | <b>R766</b>    | <b>R766</b>    | <b>ALUMINUM OXIDE</b> | <b>ALUMINUM OXIDE</b> | <b>ALUMINUM OXIDE</b> |
| ABRASIVE:   | Aluminum Oxide | Aluminum Oxide | Aluminum Oxide | Aluminum Oxide        | Aluminum Oxide        | Aluminum Oxide        |
| BACKING:    | Polyester      | Polyester      | Polyester      | Polyester             | Polyester             | Polyester             |
| ATTACHMENT: | 2-Ply Standard | 2-Ply Standard | 2-Ply Standard | 2-Ply Standard        | 2-Ply Standard        | 2-Ply Standard        |
|             | TS (Type II)   | TR (Type III)  | TP (Type I)    | TS (Type II)          | TR (Type III)         | TP (Type I)           |

| SIZE (D) | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      |             |
|----------|------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1-1/2    | 24   | 100       |             |             |             | 69957399625 | 69957399693 | 69957399761 |             |
|          | 36   | 100       | 66623318972 | 66623318977 | 66623318967 | 69957399626 | 69957399694 | 69957399762 |             |
|          | 40   | 100       | 66623318973 | 66623318978 | 66623318968 | 69957399627 | 69957399695 | 69957399763 |             |
|          | 50   | 100       | 66623318974 | 66623318979 | 66623318969 | 69957399628 | 69957399696 | 69957399764 |             |
|          | 60   | 100       | 66623318975 | 66623318980 | 66623318970 | 69957399629 | 69957399697 | 69957399765 |             |
|          | 80   | 100       | 66623318976 | 66623318981 | 66623318971 | 69957399630 | 69957399698 | 69957399766 |             |
|          | 100  | 100       | 66261132502 |             |             | 69957399631 | 69957399699 | 69957399767 |             |
|          | 120  | 100       | 66261132503 |             |             | 69957399632 | 69957399700 | 69957399768 |             |
|          | 150  | 100       |             |             |             | 69957399633 | 69957399701 | 69957399769 |             |
|          | 180  | 100       | 66261132504 |             |             | 69957399634 | 69957399702 | 69957399770 |             |
|          | 240  | 100       |             |             |             | 69957399635 | 69957399703 | 69957399771 |             |
|          | 320  | 100       | 66261132505 |             |             | 69957399636 | 69957399704 | 69957399772 |             |
|          | 2    | 24        | 100         | 66623319011 | 66623319013 | 66623319010 | 69957399637 | 69957399705 | 69957399773 |
|          |      | 36        | 100         | 66623318999 | 66623319005 | 66623318993 | 69957399638 | 69957399706 | 69957399774 |
| 40       |      | 100       | 66623319000 | 66623319006 | 66623318994 | 69957399639 | 69957399707 | 69957399775 |             |
| 50       |      | 100       | 66623319001 | 66623319007 | 66623318995 | 69957399640 | 69957399708 | 69957399776 |             |
| 60       |      | 100       | 66623319003 | 66623319008 | 66623318996 | 69957399641 | 69957399709 | 69957399777 |             |
| 80       |      | 100       | 66623319004 | 66623319009 | 66623318997 | 69957399642 | 69957399710 | 69957399778 |             |
| 100      |      | 100       | 66261132506 | 66261132519 |             | 69957399643 | 69957399711 | 69957399779 |             |
| 120      |      | 100       | 66261132507 | 66261132520 |             | 69957399644 | 69957399712 | 69957399780 |             |
| 150      |      | 100       | 66261132508 | 66261132521 |             | 69957399645 | 69957399713 | 69957399781 |             |
| 180      |      | 100       | 66261132509 | 66261132522 |             | 69957399646 | 69957399714 | 69957399782 |             |
| 240      |      | 100       | 66261132510 | 66261132523 |             | 69957399647 | 69957399715 | 69957399783 |             |
| 320      |      | 100       | 66261132511 |             |             | 69957399648 | 69957399716 | 69957399784 |             |
| 2        |      | 36        | 40 V        | 66623341058 | 66623341059 |             |             |             |             |
|          |      | 40        | 40 V        | 66623341060 | 66623341061 |             |             |             |             |
|          | 50   | 40 V      | 66623341062 | 66623341063 |             |             |             |             |             |
|          | 60   | 40 V      | 66623341064 | 66623341065 |             |             |             |             |             |
|          | 80   | 40 V      | 66623341066 | 66623341067 |             |             |             |             |             |
| 3        | 24   | 50        | 66623319020 | 66623319026 | 66623319014 | 69957399649 | 69957399717 | 69957399785 |             |
|          | 36   | 50        | 66623319021 | 66623319027 | 66623319015 | 69957399650 | 69957399718 | 69957399786 |             |
|          | 40   | 50        | 66623319022 | 66623319028 | 66623319016 | 69957399651 | 69957399719 | 69957399787 |             |
|          | 50   | 50        | 66623319023 | 66623319029 | 66623319017 | 69957399652 | 69957399720 | 69957399788 |             |
|          | 60   | 50        | 66623319024 | 66623319030 | 66623319018 | 69957399653 | 69957399721 | 69957399789 |             |
|          | 80   | 50        | 66623319025 | 66623319031 | 66623319019 | 69957399654 | 69957399722 | 69957399790 |             |
|          | 100  | 50        | 66261132512 | 66261132524 |             | 69957399655 | 69957399723 | 69957399791 |             |
|          | 120  | 50        | 66261132513 | 66261132525 |             | 69957399656 | 69957399724 | 69957399792 |             |
|          | 150  | 50        | 66261132514 | 66261132526 |             | 69957399657 | 69957399725 | 69957399793 |             |
|          | 180  | 50        | 66261132515 | 66261132527 |             | 69957399658 | 69957399726 | 69957399794 |             |
|          | 240  | 50        | 66261132516 | 66261132528 |             | 69957399659 | 69957399727 | 69957399795 |             |
| 320      | 50   |           |             |             | 69957399660 | 69957399728 | 69957399796 |             |             |
| 3        | 36   | 20 V      | 66623341072 | 66623341073 |             |             |             |             |             |
|          | 40   | 20 V      | 66623341074 | 66623341075 |             |             |             |             |             |
|          | 50   | 20 V      | 66623341076 | 66623341077 |             |             |             |             |             |
|          | 60   | 20 V      |             | 66623341079 |             |             |             |             |             |
|          | 80   | 20 V      | 66623341080 | 66623341081 |             |             |             |             |             |
| 4        | 24   | 50        |             | 66623329430 |             |             |             |             |             |
|          | 36   | 50        |             | 66623319036 |             |             |             |             |             |
|          | 40   | 50        |             |             |             | 69957399661 | 69957399729 | 69957399797 |             |
|          | 50   | 50        |             |             |             | 69957399662 | 69957399730 | 69957399798 |             |
|          | 50   | 50        |             |             |             | 69957399663 | 69957399731 | 69957399799 |             |
|          | 60   | 50        |             |             | 66623319033 | 69957399664 | 69957399732 | 69957399800 |             |
|          | 80   | 50        |             |             |             | 69957399665 | 69957399733 | 69957399801 |             |
|          | 100  | 50        |             |             |             | 69957399666 | 69957399734 | 69957399802 |             |
|          | 120  | 50        |             |             |             | 69957399667 | 69957399735 | 69957399803 |             |
| 180      | 50   |           |             |             | 69957399668 | 69957399736 | 69957399804 |             |             |

V = Vendible Package. 2" discs: 10 discs per pack / 4 Packs per carton. Order in multiples of 40. For 3" discs: 5 discs per pack / 4 Packs per carton. Order in multiples of 20.

\*Merit Aluminum Oxide Stock/Non-Stock status: All Merit Aluminum Oxide part numbers are stock products.

Quick-Change back-up pads shown at the end of this section.

# QUICK-CHANGE DISCS & ACCESSORIES

## Silicon Carbide Quick-Change Cloth Discs

### MERIT SILICON CARBIDE CLOTH

**GOOD CHOICE FOR NON-FERROUS MATERIALS**

FEATURES AND BENEFITS

- Sharp, silicon carbide abrasive
- X-weight 2-ply backing
- High initial cut and penetration for nonferrous materials



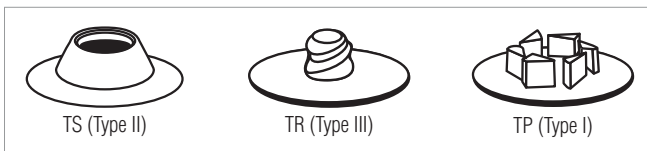
|             |                 |                 |                 |
|-------------|-----------------|-----------------|-----------------|
| TIER:       | <b>GOOD</b>     | <b>GOOD</b>     | <b>GOOD</b>     |
| BRAND:      | Merit           | Merit           | Merit           |
| ABRASIVE:   | Silicon Carbide | Silicon Carbide | Silicon Carbide |
| BACKING:    | Cotton Standard | Cotton Standard | Cotton Standard |
| ATTACHMENT: | TS (Type II)    | TR (Type III)   | TP (Type I)     |

| SIZE (D) | GRIT | STD. PKG. | PART #       | PART #      | PART #      |
|----------|------|-----------|--------------|-------------|-------------|
| 2        | 40   | 100       | 08834165252  | 08834164275 | 08834162166 |
|          | 60   | 100       | 08834165254+ | 08834164163 | 08834162168 |
|          | 80   | 100       | 08834165255+ | 08834166155 | 08834162169 |
|          | 120  | 100       |              | 08834164837 | 08834162171 |
|          | 180  | 100       | 08834165259  | 08834167313 | 08834162173 |
| 3        | 40   | 50        | 08834165267  | 08834164277 |             |
|          | 60   | 50        |              | 08834164850 |             |
|          | 80   | 50        | 08834165270  | 08834166159 | 08834162188 |
|          | 120  | 50        | 08834165272  | 08834166160 | 08834162190 |
|          | 180  | 50        | 08834165274  | 08834168177 | 08834164971 |

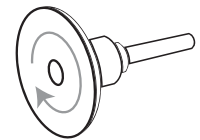
+ Merit Stock/Non-Stock Status: These 2 TS discs are stock items. All other silicon carbide discs are non-stock. Please call for lead-times.



## Quick-Change Back-up Pads



- Hard density pads are for aggressive cutting action
- Medium density pads are for all-purpose applications
- Soft density pads are used for contours and fine finishing work



| DIAMETER/RPM                              | DENSITY | STD. PKG. | NORTON TS (TYPE II) | NORTON TR (TYPE III) | STD. PKG. | MERIT TS (TYPE II) | MERIT TR (TYPE III) | MERIT TP (TYPE I) |
|---|---------|-----------|---------------------|----------------------|-----------|--------------------|---------------------|-------------------|
| <b>Quick-Change Back-up Pads</b>          |         |           |                     |                      |           |                    |                     |                   |
| 9/16"                                     |         |           |                     |                      | 1         | 66261054014*       |                     | 66261054013*      |
| 40,000 Max. RPM                           |         |           |                     |                      |           |                    |                     |                   |
| 3/4"                                      | Medium  |           |                     |                      | 1         | 08834164206        | 08834164038         | 08834164001       |
| 40,000 Max. RPM                           |         |           |                     |                      |           |                    |                     |                   |
| 1"  | Medium  | 10        | 63642543185         |                      | 1         | 08834164651        | 08834164037         | 08834164002       |
| 40,000 Max. RPM                           |         |           |                     |                      |           |                    |                     |                   |
| 1-1/2"                                    | Hard    |           |                     |                      | 1         | 08834164622        |                     | 08834163996       |
| 30,000 Max. RPM                           | Medium  | 10        | 63642543200         | 66261047580          | 1         | 08834164146        | 08834161174         | 08834164003       |
| 2"  | Hard    | 10        | 63642543205         |                      | 1         | 08834164624        | 08834164643         | 08834163997       |
| 30,000 Max. RPM                           | Medium  | 10        | 63642543210         | 66261055103          | 1         | 08834164198        | 08834164922         | 08834164004       |
|   | Soft    |           |                     |                      | 1         | 08834161625        | 08834164641         | 08834163949       |
| 3"  | Hard    | 10        | 63642543220         | 63642504900          | 1         | 08834161626        | 08834164036         | 08834163998       |
| 20,000 Max. RPM                           | Medium  | 10        | 63642543225         | 66261055105          | 1         | 08834164113        | 08834164949         | 08834164005       |
|   | Soft    |           |                     |                      | 1         | 08834164626        | 08834164644         | 08834163948       |
| 4"  | Medium  | 10        | 63642543232         | 66261047581          | 1         | 08834164135        | 08834164655         | 08834164006       |
| 15,000 Max. RPM                           |         |           |                     |                      |           |                    |                     |                   |
| <b>Vendible Quick-Change Back-up Pads</b> |         |           |                     |                      |           |                    |                     |                   |
| 2" Vendible                               | Medium  |           |                     |                      | 5         | 66623341082        | 66623341083         |                   |
| 30,000 Max. RPM                           |         |           |                     |                      |           |                    |                     |                   |
| 3" Vendible                               | Medium  |           |                     |                      | 5         |                    | 66623341085         |                   |
| 20,000 Max. RPM                           |         |           |                     |                      |           |                    |                     |                   |

All Quick-Change back-up pads have a 1/4" solid steel shank. \* 9/16" Merit back-up pads are non-stock. Please call for lead-times. Vendible back-up pad Std. Pkg. Qty: 1 pad per pack; 5 packs per carton. Order in multiples of 5.

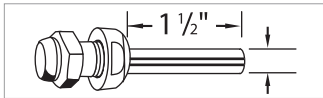
## Replacement Medium Density Rubber Pads for Quick-Change TP (Type I) Back-up Pads

| DIAMETER  | MODEL # | STD. PKG. | PART #       |
|---|---------|-----------|--------------|
| <b>Quick-Change Replacement Rubber Back-up Pads</b> |         |           |              |
| 3/4"  | RR75    | 1         | 08834164008* |
| 1"  | RR10    | 1         | 08834164009* |
| 2"  | RR20    | 1         | 08834164011  |
| 3"  | RR30    | 1         | 08834164012  |
| 4"  | RR40    | 1         | 08834164013* |

When the rubber pad has worn away, but the steel components of your quick-change back-up are still serviceable, order these replacement rubber pads.

\* Non-stock. Please call for lead-times.

## Replacement Assemblies and Shanks for Quick-Change Back-up Pad

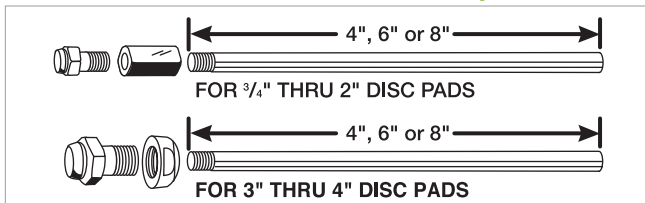


| DESCRIPTION   | STD. PKG. | PART #       |
|---|-----------|--------------|
| <b>Replacement Mandrels and Nut Assembly</b>        |           |              |
| TP (Type I) Assembly RMN1 for 3/4 - 2               | 1         | 08834164015  |
| TP (Type I) Assembly RMN3 for 3 - 4                 | 1         | 08834164016* |
| TS (Type II) & TR (Type III) Replacement 1/4" Shank | 1         | 08834164303  |

Assemblies replace all the steel components of a quick-change back-up pad. This shank replaces the screw-in 1/4" solid steel shank only.

\* Non-stock. Please call for lead-times.

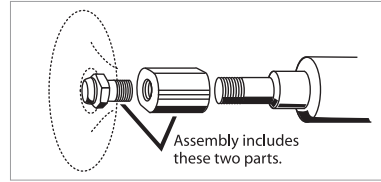
## Extension Mandrels and Assembly



| DIAMETER   | MODEL # | LENGTH | STD. PKG. | PART #      |
|--|---------|--------|-----------|-------------|
| <b>Extension Mandrels and Assembly – TP (Type I)</b> |         |        |           |             |
| 3/4 - 2"   | EMN-14  | 4"     | 1         | 08834164017 |
| 3/4 - 2"   | EMN-16  | 6"     | 1         | 08834164018 |
| 3/4 - 2"   | EMN-18  | 8"     | 1         | 08834164019 |
| 3 - 4"   | EMN-34  | 4"     | 1         | 08834164020 |
| 3 - 4"   | EMN-36  | 6"     | 1         | 08834164026 |
| 3 - 4"   | EMN-38  | 8"     | 1         | 08834164021 |

All these extension mandrels and assembly are non-stock. Please call for lead-times.

## MNA-1 Pad Adapters

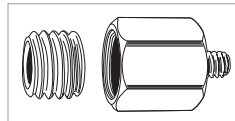


| DISC DIAMETER                           | MODEL NO.       | STD. PKG. | PART #      |
|---|-----------------|-----------|-------------|
| <b>MNA-1 Pad Adapters – TP (Type I)</b> |                 |           |             |
| 3/4 - 2"                                | MNA 1/4-20 THD. | 1         | 08834161176 |
| 3/4 - 2"                                | MNA 3/8-24      | 1         | 08834164055 |
| 3/4 - 2"                                | MNA 5/8-11      | 1         | 08834163001 |
| 3 - 4"                                  | MNA 1/4-20      | 1         | 08834163002 |
| 3 - 4"                                  | MNA 3/8-24      | 1         | 08834164041 |
| 3 - 4"                                  | MNA 5/8-11      | 1         | 08834164028 |

Convert a TP (Type I) back-up pad 1/4" diameter solid shank to a threaded shank

All pad adapters are non-stock. Please call for lead-times.

## MNA-23 Pad Adapters

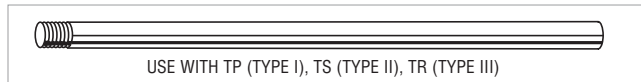


| DISC DIAMETER   | MODEL #                       | STD. PKG. | PART #      |
|---|-------------------------------|-----------|-------------|
| <b>MNA-23 Pad Adapters – TS (Type II) and TR (Type III)</b> |                               |           |             |
| 3/4 - 4"  | MNA-23 3/8-24 and 5/8-11 THD. | 1         | 08834162764 |

For use on a right angle grinder: convert TS (Type II) and TR (Type III) back-up pad 1/4" diameter solid shanks to threaded shanks. The larger 5/8-11 adapter (for 4-1/2" discs) is used alone to convert to a 5/8-11 thread. The 3/8-24 insert (for 4" discs) is screwed into the 5/8-11 adapter to create a 3/8-24 thread adapter.

All pad adapters are non-stock. Please call for lead-times.

## 1/4" Diameter Extension Mandrel



USE WITH TP (TYPE I), TS (TYPE II), TR (TYPE III)

| MODEL NO.  | LENGTH | STD. PKG. | PART #      |
|--|--------|-----------|-------------|
| <b>1/4" Diameter Extension Mandrel 1/4-20 Thread</b> |        |           |             |
| EM-144   | 4"     | 1         | 08834154185 |
| EM-146   | 6"     | 1         | 08834154186 |
| EM-148   | 8"     | 1         | 08834154187 |



Paper sheets and rolls are engineered for optimum performance when sanding metal, wood, composites and painted surfaces. The sheets are packed in protective packaging to eliminate waste and permit easy, neat storage.

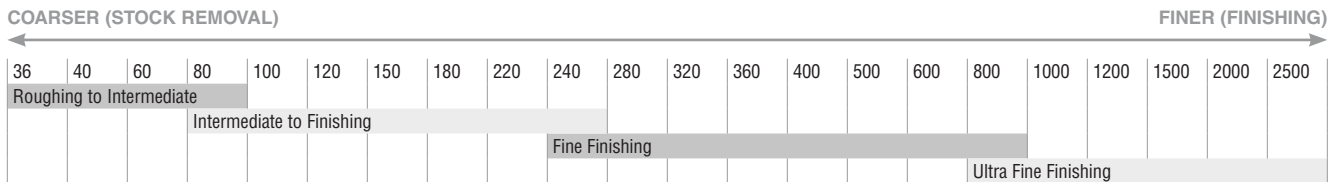
- Categories: All purpose, wood sanding, stearated (non-loading), waterproof, and heavyweight
- Applications: Light-duty metal sanding, primer sanding, defect removal from painted surfaces, filler sanding, sanding and finishing of composites and fiberglass, bare wood sanding, sanding between sealer coats
- Size Range: Full Sheets, Cut Sheets, File Strips and Rolls
- Grit Range: 36 – 2500
- Abrasive Grain: Ceramic Alumina, Zirconia Alumina, Aluminum Oxide, Silicon Carbide, and Garnet
- Paper Weights: Heavyweight – E; Lightweight – A and D
- Machine Used:



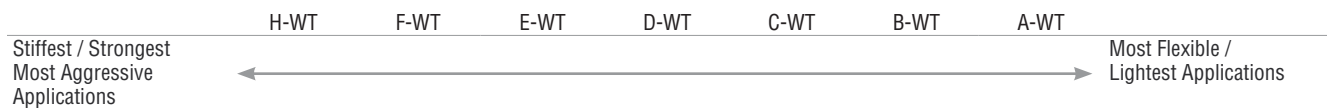
## MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE

|  | <b>BEST</b><br>Highest Productivity –<br>Lowest Total Cost | <b>BETTER</b><br>Excellent Blend of<br>Performance & Price | <b>GOOD</b><br>Consistent Performance –<br>Low Initial Price |
|--|--|--|--|
| Unfinished Metal                             | Original Performance A275                                  | –  | Gold Reserve A296, PB273                                     |
| Primed / Painted Surfaces /<br>Between Coats | Original Performance A275                                  | Durite A475  | Gold Reserve A296, PB273                                     |
| Fiberglass / Composites                      | Original Performance A275                                  | Durite A475  | Gold Reserve A296, PB273                                     |
| Bare Wood                                    | Original Performance A275                                  | –  | Garnet A511, Garnet A513, Garnet A514                        |
| Clear Coat Sanding                           | Black Ice T214, Black Ice T401                             | –  | TufBak T461  |
| Sealer Sanding                               | Original Performance A275                                  | Durite A475  | Gold Reserve A296, PB273                                     |
| Lacquer Sanding                              | Black Ice T214, Black Ice T401                             | Blue-Bak T414  | TufBak T461  |
| Wet Sanding                                  | Black Ice T214, Black Ice T401                             | Blue-Bak T414  | TufBak T461  |
| Paint Stripping                              | Original Performance A275, ProSand A259PS                  | Durite A475  | A290   |
| All Purpose Dry Sanding                      | Original Performance A275, ProSand A259PS                  | –  | A212, A213, A211   |

## APPLICATION/GRIT RECOMMENDATION GUIDE



## RECOMMENDED BACKING WEIGHT

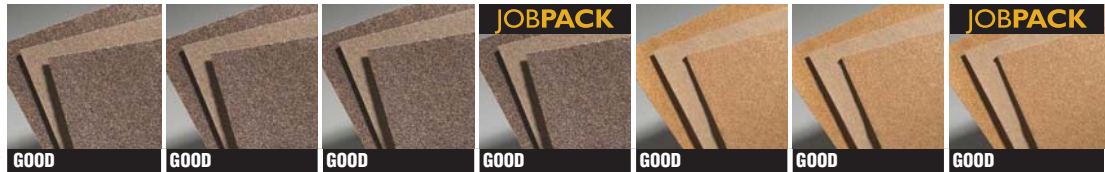


CROSS REFERENCE GUIDE

| NORTON                         | 3M                        | Hermes        | Klingspor  | Mirka                     | SIA                              | VSM           |
|--------------------------------|---------------------------|---------------|------------|---------------------------|----------------------------------|---------------|
| <b>STEARATED (NON-LOADING)</b> |                           |               |            |                           |                                  |               |
| Dry Ice A975                   | 734U, 735U, 334U          | –             | –          | –                         | 5550 siaprime                    | –             |
| OP A275 / A259PS (ProSand)     | 216U, 334U                | HC133         | PS33       | Royal, Royal Micro        | 1950 siaspeed                    | –             |
| Durite A475                    | 405N, 414N, 415N/U        | PSF-LL, SA168 | PL35       | Carat Flex, FineFlex      | 1701 sialac<br>1748 siarexx fine | CP131A        |
| Gold Reserve A296 / PB273      | 236U, Red, NX             | HCAB-LL       | PS33, PL36 | Bulldog Gold,<br>GoldFlex | 1960 siarexx cut                 | KP911         |
| <b>WATERPROOF</b>              |                           |               |            |                           |                                  |               |
| Blue Ice T214                  | 213Q                      | WAFlex28B     | PS12       | –                         | 1913 siawat                      | –             |
| Blue Ice T401                  | 401Q                      | WSFlex16      | PS11, PS14 | Waterproof (A)            | –                                | CP918A        |
| Blue-Bak T414                  | 413Q                      | WSFlex16      | PS11, PS14 | Waterproof (A)            | –                                | CP918A        |
| TufBak T461                    | 438Q, 431Q                | WSFlex18C     | PS11, PS14 | –                         | 1727 siawat                      | CP918C        |
| <b>ALL PURPOSE/WOOD</b>        |                           |               |            |                           |                                  |               |
| A211                           | 230U, 240N, 346U          | –             | –          | –                         | –                                | KP31C         |
| A212                           | 210N                      | HFB           | PL31       | –                         | –                                | –             |
| A213                           | 230N                      | HFB           | PL31       | –                         | –                                | KP31B         |
| Garnet A511                    | 110N                      | –             | –          | –                         | 1400 sianor                      | –             |
| Garnet A513                    | 130N                      | GCAB          | –          | –                         | –                                | –             |
| Garnet A514                    | 140N                      | GCAB          | –          | –                         | –                                | –             |
| <b>HEAVYWEIGHT PAPER</b>       |                           |               |            |                           |                                  |               |
| BlueFire H875P                 | 750U, 751U, 740I,<br>745I | –             | –          | Royal Coarse Cut          | –                                | KP510E, KP709 |

Aluminum Oxide All-Purpose Sanding and Garnet Wood Sanding 9" x 11" Paper Sheets

9 x 11  
Paper Sheets



| TIER:           | GOOD           | GOOD           | GOOD           | GOOD                           | GOOD          | GOOD        | GOOD                          |
|-----------------|----------------|----------------|----------------|--------------------------------|---------------|-------------|-------------------------------|
| BRAND:          | Norton         | Norton         | Norton         | Norton                         | Norton        | Norton      | Norton                        |
| TRADENAME:      | <b>A211</b>    | <b>A213</b>    | <b>A212</b>    | <b>MULTISAND<br/>A213/A212</b> | <b>A513</b>   | <b>A511</b> | <b>WOODSAND<br/>A513/A511</b> |
| ABRASIVE:       | Aluminum Oxide | Aluminum Oxide | Aluminum Oxide | Aluminum Oxide                 | Garnet        | Garnet      | Garnet                        |
| BACKING WEIGHT: | D-Weight       | C-Weight       | A-Weight       | D-, C- & A-Weight              | D- & C-Weight | A-Weight    | D-, C- & A-Weight             |
| OTHER:          | P-Graded       | P-Graded       | P-Graded       | P-Graded                       |               |             |                               |

| SIZE (W x L) | GRIT  | MIN./STD. PKG. | PART #      | PART #      | PART #      | PART #       | PART #       | PART #      |
|--------------|-------|----------------|-------------|-------------|-------------|--------------|--------------|-------------|
| 9 x 11       | 36    | 25/125         | 66261100335 |             |             |              |              |             |
|              | 40    | 25/125         | 66261100330 |             |             |              |              |             |
|              | 50    | 50/250         | 66261100325 |             |             |              |              |             |
|              | 60    | 50/250         |             | 66261100320 |             |              | 66261101560  |             |
|              | 80    | 50/250         |             | 66261100315 |             |              | 66261101555  | 66261101505 |
|              | 100   | 100/500        |             | 66261100295 |             | 07660700358* | 66261101535  | 66261101500 |
|              | 120   | 100/500        |             | 66261100290 |             | 07660700357* | 66261101530  | 66261101495 |
|              | 150   | 100/500        |             | 66261100285 |             | 07660700356* | 66261101525  | 66261101490 |
|              | 180   | 100/500        |             |             | 66261100245 | 07660700355* |              | 66261101489 |
|              | 220   | 100/500        |             |             | 07660700156 | 07660700354* |              | 66261101488 |
|              | 240   | 100/500        |             |             |             |              |              |             |
|              | 280   | 100/500        |             |             |             |              |              |             |
|              | Asst• | 100/500        |             |             |             |              | 07660700365* |             |

\* Packaging Standards: Job Packs: 25 sheets per pack / 10 packs per standard package for a total of 250 sheets  
 • Assorted contains 6 each of 60, 100, 150 grit and 7 each of 220 grit

Stearated (Non-Loading) Aluminum Oxide and Silicon Carbide 9" x 11" Sheets

NORTON OP A275 NO-FIL ALUMINUM OXIDE

THE BEST CHOICE FOR SANDING PAINTED SURFACES, COMPOSITES, PLASTICS OR ANY MATERIAL THAT TENDS TO LOAD

FEATURES

- Premium P-graded, heat-treated aluminum oxide abrasive
- Unique fiber-reinforced, B-weight latex-saturated backing
- Water-based stearate, non-pigmented, No-Fil coating
- Full resin adhesive bond

BENEFITS

- Superior life, fast cut rate, consistent finish
- 50-60% improvement in tear strength
- Exceptional flexibility, can be folded without cracking
- Provides maximum load resistance and extended life: no color transfer to work
- Provides exceptional resistance to abrasive grain shedding especially when folding to sand into corners; long life

NORTON DURITE A475 NO-FIL SILICON CARBIDE

THE BETTER CHOICE FOR GEL COATS, HARD COMPOSITE SUBSTRATES, ABRASION-RESISTANT COATINGS, AND WOODWORKING APPLICATIONS

FEATURES

- P-graded, silicon carbide abrasive
- Water-based stearate, non-pigmented, No-Fil coating
- Fiber-reinforced, latex paper backing

BENEFITS

- Easy penetration of the hardest surfaces
- Resists loading for longest usable product life, no color transfer to work
- Provides flexibility and resistance to tearing

9 x 11  
Paper Sheets



| TIER:           | BEST                                    | BEST                         | BETTER                    | GOOD                 |
|-----------------|---|------------------------------|---------------------------|----------------------|
| BRAND:          | Norton                                  | Norton                       | Norton                    | Merit                |
| TRADENAME:      | <b>ORIGINAL PERFORMANCE A275 NO-FIL</b> | <b>PROSAND A259PS NO-FIL</b> | <b>DURITE A475 NO-FIL</b> | <b>PB273 NO-LOAD</b> |
| ABRASIVE:       | Aluminum Oxide                          | Aluminum Oxide               | Silicon Carbide           | Aluminum Oxide       |
| BACKING WEIGHT: | B-Weight                                | C- & B-Weight                | B-Weight                  | B-Weight             |
| OTHER:          | P-Graded                                | P-Graded                     | P-Graded                  | P-Graded             |

| SIZE (W x L) | GRIT | MIN./STD. PKG. | PART #      | PART #       | PART #      | PART #      |
|--------------|------|----------------|-------------|--------------|-------------|-------------|
| 9 x 11       | 60   | 50/250         |             | 07660768175* |             |             |
|              | 80   | 50/250         | 66261131634 | 07660768174* | 66254487393 | 66623311878 |
|              | 100  | 100/500        | 66261131633 | 07660768173* | 66254487394 | 66623311877 |
|              | 120  | 100/500        | 66261131632 | 07660768172* | 66254487395 | 66623311876 |
|              | 150  | 100/500        | 66261131631 | 07660768171* | 66254487396 | 66623311875 |
|              | 180  | 100/500        | 66261131630 | 07660768168* | 66254487397 | 66623311874 |
|              | 220  | 100/500        | 66261131629 | 07660768167* | 66254487398 | 66623311873 |
|              | 240  | 100/500        | 66261131628 |              | 66254487399 | 66623311879 |
|              | 280  | 100/500        | 66261131627 |              |             |             |
|              | 320  | 100/500        | 66261131626 | 07660768166* | 66254487400 | 66623311871 |
|              | 400  | 100/500        | 66261131624 | 07660768165* |             | 66623311870 |
|              | 500  | 100/500        | 66261131623 |              |             |             |
|              | 600  | 100/500        | 66261131622 |              |             |             |
|              | 800  | 100/500        | 66261131621 |              |             |             |
|              | 1000 | 100/500        | 66261131620 |              |             |             |
|              | 1200 | 100/500        | 66261131619 |              |             |             |
|              | 1500 | 100/500        | 66261131618 |              |             |             |

\* Packaging Standards: ProSand A259PS Job Packs: 20 sheets per pack / 10 packs per standard package for a total of 200 sheets

Waterproof Aluminum Oxide and Silicon Carbide 9" x 11" Sheets

NORTON BLACK ICE T214 AND T401 A/O WATERPROOF

BEST CHOICE FOR ALL WET APPLICATIONS

FEATURES

- Black Ice T214: Premium, P-graded, heat-treated aluminum oxide abrasive
- Black Ice T401: Premium, ultra fine (1000 – 2500 JIS graded) silicon carbide abrasive
- Improved resin bond system
- High-strength B-weight high-latex, waterproof paper backing

BENEFITS

- Ultimate cut and life in wet application
- Ultimate finish in wet applications
- Long life in wet applications
- Ultimate flexibility, with wet-curl resistance
- Environmentally stable, resists humidity-caused curling



9 x 11 Paper Sheets



| TIER:           | BEST                  | BEST                  | BETTER               | GOOD               |
|-----------------|-----------------------|-----------------------|----------------------|--------------------|
| BRAND:          | Norton                | Norton                | Norton               | Norton             |
| TRADENAME:      | <b>BLACK ICE T214</b> | <b>BLACK ICE T401</b> | <b>BLUE-BAK T414</b> | <b>TUFBAK T461</b> |
| ABRASIVE:       | Aluminum Oxide        | Silicon Carbide       | Silicon Carbide      | Silicon Carbide    |
| BACKING WEIGHT: | B-Weight              | B-Weight              | B-Weight             | C-Weight           |
| OTHER:          | P-Graded              | JIS Graded            | ANSI Graded          | ANSI Graded        |

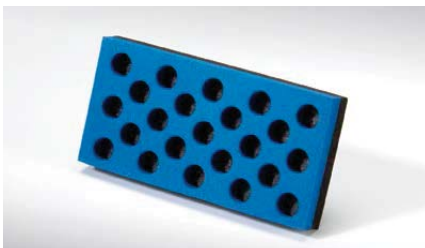
| SIZE (W x L) | GRIT   | MIN./STD. PKG. | PART #      | PART #      | PART #      | PART #      |
|--------------|--------|----------------|-------------|-------------|-------------|-------------|
| 9 x 11       | 60     | 50/250         |             |             |             | 66261101175 |
|              | 80     | 50/250         |             |             |             | 66261101170 |
|              | 100    | 50/250         |             |             |             | 66261101165 |
|              | 120    | 50/250         |             |             |             | 66261101160 |
|              | 150    | 50/250         |             |             |             | 66261101155 |
|              | 180    | 50/250         |             |             |             | 66261101150 |
|              | 220    | 50/250         | 66261139389 |             | 66261139367 |             |
|              | 240    | 50/250         | 66261139388 |             | 66261139366 | 66261130331 |
|              | 280    | 50/250         |             |             | 66261139365 |             |
|              | 320    | 50/250         | 66261139386 |             | 66261139364 | 66261130332 |
|              | 360    | 50/250         |             |             | 66261139363 |             |
|              | 400    | 50/250         | 66261139385 |             | 66261139362 | 66261130333 |
|              | 500    | 50/250         | 66261139384 |             | 66261139361 |             |
|              | 600    | 50/250         | 66261139383 |             | 66261139360 | 66261130334 |
|              | 800    | 50/250         | 66261139382 |             |             |             |
|              | 1000   | 50/250         |             | 66261139381 |             |             |
|              | 1200   | 50/250         |             | 66261139380 |             |             |
| 1500         | 50/250 |                | 66261139379 |             |             |             |
| 2000         | 50/250 |                | 66261139378 |             |             |             |
| 2500         | 50/250 |                | 66261139377 |             |             |             |



Waterproof Sanding Blocks – with “grabbing” power

Dual Density Wet Sanding Block

- No adhesive required: simply wrap a 5-1/2" x 9" (9" x 11" cut in half) sheet around the block
- The dense side is for more aggressive blocking, while the soft side is for color sanding
- Equalizes sanding pressure for fine grit applications



Holey Block

- No adhesive required: simply wrap a 5-1/2" x 9" (9" x 11" cut in half) sheet around the block
- A rugged, semi-rigid, multi-purpose sanding block engineered for flat to medium curved surfaces
- A tactical hole pattern side provides numerous cutting edges to create a 30% faster cut rate
- The plain side provides firmness and a comfortable, easy-to-hold surface

| DESCRIPTION       | STD. PKG. | PART #      |
|-------------------|-----------|-------------|
| Wet Sanding Block | 12        | 63642503728 |
| Holey Block       | 8         | 63642503729 |



File Strips

NORTON BLUEFIRE H875P ZIRCONIA ALUMINA

EXCELLENT FOR SOFT MATERIAL APPLICATIONS

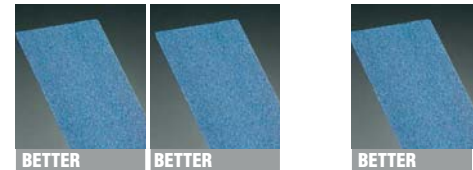
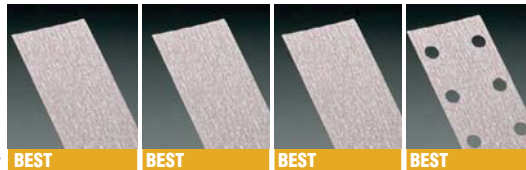
FEATURES

- Patented zirconia abrasive
- Strong E-weight paper, latex impregnated
- Open coat design

BENEFITS

- Extended life over original NorZon products
- Increased durability and chip resistance, flexible
- Reduced loading; ideal for body filler, fiberglass, composite sanding

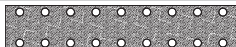
Paper File Strips  
PSA (Pressure Sensitive Adhesive)  
and Non-PSA



|                     |                       |                       |                       |                       |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| TIER:               | <b>BEST</b>           | <b>BEST</b>           | <b>BEST</b>           | <b>BEST</b>           |
| BRAND:              | Norton                | Norton                | Norton                | Norton                |
| TRADENAME:          | <b>OP A275 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>OP A275 NO-FIL</b> |
| ABRASIVE:           | A/O                   | A/O                   | A/O                   | A/O                   |
| BACKING WEIGHT:     | B-Weight              | B-Weight              | B-Weight              | B-Weight              |
| BACKING ATTACHMENT: | Non-PSA               | PSA                   | Hook/Loop             | Hook/Loop Vac         |
| OTHER:              | P-Graded              | P-Graded              | P-Graded              | P-Graded              |

|                     |                       |                       |                       |
|---------------------|-----------------------|-----------------------|-----------------------|
| TIER:               | <b>BETTER</b>         | <b>BETTER</b>         | <b>BETTER</b>         |
| BRAND:              | Norton                | Norton                | Norton                |
| TRADENAME:          | <b>BLUEFIRE H875P</b> | <b>BLUEFIRE H875P</b> | <b>BLUEFIRE H875P</b> |
| ABRASIVE:           | Z/A                   | Z/A                   | Z/A                   |
| BACKING WEIGHT:     | E-Weight              | E-Weight              | E-Weight              |
| BACKING ATTACHMENT: | Non-PSA               | PSA                   | Hook/Loop             |

| SIZE (W x L)   | GRIT   | MIN/STD. PKG. | PART #      | PART #      | PART #      | PART # | MIN/STD. PKG. | PART #      | PART #      | MIN/STD. PKG. | PART #      |
|----------------|--------|---------------|-------------|-------------|-------------|--------|---------------|-------------|-------------|---------------|-------------|
| 2-3/4 x 16     | 100    | 50/500        |             |             |             |        |               |             |             |               |             |
|                | 120    | 50/500        |             |             |             |        |               |             |             |               |             |
|                | 180    | 50/500        |             |             |             |        |               |             |             |               |             |
| 2-3/4 x 16-1/2 | 36     |               |             |             |             |        | 50/250        |             | 66261123610 | 25/125        | 66261123616 |
|                | 40     |               |             |             |             |        | 50/250        |             | 66261123609 | 25/125        | 66261123615 |
|                | 80     | 50/500        |             | 66261131640 | 66261131646 |        | 50/250        |             | 66261123608 | 25/125        | 66261123614 |
|                | 100    | 50/500        |             | 66261131639 | 66261131645 |        |               |             |             |               |             |
|                | 120    | 50/500        |             |             | 66261131644 |        |               |             |             |               |             |
|                | 150    | 50/500        |             | 66261131637 | 66261131643 |        |               |             |             |               |             |
|                | 180    | 50/500        |             | 66261131636 | 66261131642 |        |               |             |             |               |             |
| 2-3/4 x 17-1/2 | 220    | 50/500        |             |             | 66261131641 |        |               |             |             |               |             |
|                | 36     |               |             |             |             |        | 50/250        | 66261123622 |             |               |             |
|                | 40     |               |             |             |             |        | 50/250        | 66261123621 |             |               |             |
|                | 80     | 50/500        | 66261131652 |             |             |        | 50/250        | 66261123620 |             |               |             |
|                | 100    | 50/500        | 66261131651 |             |             |        | 50/250        | 66261126512 |             |               |             |
|                | 120    | 50/500        | 66261131650 |             |             |        |               |             |             |               |             |
|                | 150    | 50/500        | 66261131649 |             |             |        |               |             |             |               |             |
| 180            | 50/500 | 66261131648   |             |             |             | 50/250 | 66261126511   |             |             |               |             |
| 220            | 50/500 | 66261131647   |             |             |             |        |               |             |             |               |             |



VACUUM HOLE PATTERN FOR 2-3/4 X 16 FILE STRIPS

Sanding Boards



PSA/Non-PSA Sanding Board

- This sanding board has a cushioned surface
- Spring clips mounted at each end securely hold 2-3/4" x 16-1/2" PSA file strips and 2-3/4" x 17-1/2" non-PSA file strips



Hook and Loop and Non-PSA Sanding Board

- Lightweight, rugged design for easy sanding of plastic fillers
- Spring clips mounted at each end securely hold 2-3/4" x 16-1/2" hook and loop file strips and 2-3/4" x 17-1/2" non-PSA file strips
- Air file shoe eliminates the need for clips. The quick-change backing positively locks and unlocks for fast use.



| DESCRIPTION                                    | STD. PKG. | PART #      |
|--|-----------|-------------|
| PSA/Non-PSA File Strip Sanding Board           | 6         | 63642542724 |
| Hook and Loop/Non-PSA File Strip Sanding Board | 5         | 63642552836 |
| Hook and Loop Air File Shoe                    | 5         | 63642552835 |

## Hand Sanding Cut Sheets

Paper Cut Sheets



|                 |                    |                |
|-----------------|--------------------|----------------|
| TIER:           | <b>GOOD</b>        | <b>GOOD</b>    |
| BRAND:          | Norton             | Norton         |
| TRADENAME:      | <b>A290 NO-FIL</b> | <b>A213</b>    |
| ABRASIVE:       | Aluminum Oxide     | Aluminum Oxide |
| BACKING WEIGHT: | C-Weight           | C-Weight       |
| OTHER:          | P-Graded           | P-Graded       |

| SIZE (W x L) | GRIT | MIN./STD. PKG. | PART #      | PART #      |
|--------------|------|----------------|-------------|-------------|
| 3-2/3 x 9    | 60   | 100/1000       |             | 66261102925 |
|              | 80   | 100/1000       | 66261101119 | 66261102920 |
|              | 100  | 100/1000       |             | 66261102900 |
|              | 120  | 100/1000       |             | 66261102895 |
|              | 180  | 100/1000       | 66261101124 |             |
|              | 220  | 100/1000       | 66261101123 |             |

## Rubber Hand Sanding Blocks

- Resilient rubber blocks that conform well to mild contours and flat surfaces



| DESCRIPTION | STD. PKG. | PART #      |
|-------------|-----------|-------------|
| 2-3/4 x 5   | 5         | 07660701889 |

## PSA Rolls

PSA (Pressure Sensitive Adhesive) Paper Rolls



|                     |                            |                            |                            |                       |                       |                       |                       |                                 |
|---------------------|----------------------------|----------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------------|
| TIER:               | <b>BEST</b>                | <b>BEST</b>                | <b>BEST</b>                | <b>BETTER</b>         | <b>BETTER</b>         | <b>BETTER</b>         | <b>BETTER</b>         | <b>GOOD</b>                     |
| BRAND:              | Norton                     | Norton                     | Norton                     | Norton                | Norton                | Norton                | Norton                | Norton                          |
| TRADENAME:          | <b>DRY ICE A975 NO-FIL</b> | <b>DRY ICE A975 NO-FIL</b> | <b>DRY ICE A975 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>OP A275 NO-FIL</b> | <b>GOLD RESERVE A296 NO-FIL</b> |
| ABRASIVE:           | Ceramic Alumina            | Ceramic Alumina            | Ceramic Alumina            | Aluminum Oxide        | Aluminum Oxide        | Aluminum Oxide        | Aluminum Oxide        | Aluminum Oxide                  |
| BACKING WEIGHT:     | C-Weight.                  | C-Weight.                  | B-Weight.                  | B-Weight.             | B-Weight.             | B-Weight.             | B-Weight.             | B-Weight                        |
| BACKING ATTACHMENT: | PSA                        | PSA                        | PSA                        | PSA                   | PSA                   | PSA                   | PSA                   | PSA                             |
| OTHER:              | P-Graded                   | P-Graded                   | P-Graded                   | P-Graded              | P-Graded              | P-Graded              | P-Graded              | P-Graded                        |
| SIZE:               | 2-3/4" x 25 yd             | 2-3/4" x 30 yd             | 2-3/4" x 45 yd             | 2-3/4" x 25 yd        | 2-3/4" x 30 yd        | 2-3/4" x 45 yd        | 4-1/2 x 10 yd         | 2-3/4" x 25 yd                  |

| GRIT | MIN./STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      |
|------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 80   | 1/5            | 66261149566 |             |             | 66261131691 |             |             | 66261131697 |
| 100  | 1/5            |             |             |             |             | 66261131690 |             | 66261131696 |
| 120  | 1/5            |             | 66261149564 |             |             | 66261131689 |             | 66261131695 |
| 150  | 1/5            |             |             | 66261149563 |             |             | 66261131688 | 66261131694 |
| 180  | 1/5            |             |             | 66261149562 |             |             | 66261131687 | 66261131693 |
| 220  | 1/5            |             |             | 66261149561 |             |             | 66261131686 | 66261131692 |
| 240  | 1/5            |             |             |             |             |             | 66261131685 |             |
| 320  | 1/5            |             |             | 66261149558 |             |             | 66261131683 |             |
| 400  | 1/5            |             |             | 66261149557 |             |             | 66261131681 |             |
| 500  |                |             |             |             |             |             |             |             |
| 600  | 1/5            |             |             |             |             |             | 66261131679 |             |

## Hook & Loop Rolls

Hook and Loop Paper Rolls



| BEST                                  |                  |             | BEST  |  |  |
|---------------------------------------|------------------|-------------|---|--|--|
| TIER: <b>BEST</b>                     |                  |             | TIER: <b>BEST</b>                                 |  |  |
| BRAND: Norton                         |                  |             | BRAND: Norton                                     |  |  |
| TRADENAME: <b>DRY ICE A975 NO-FIL</b> |                  |             | TRADENAME: <b>DRY ICE A975 MULTI-AIR CYCLONIC</b> |  |  |
| ABRASIVE: Ceramic Alumina             |                  |             | ABRASIVE: Ceramic Alumina                         |  |  |
| BACKING WEIGHT: B-Weight.             |                  |             | BACKING WEIGHT: C- & B-Weight                     |  |  |
| BACKING ATTACHMENT: Hook & Loop       |                  |             | BACKING ATTACHMENT: Hook & Loop                   |  |  |
| OTHER: P-Graded                       |                  |             | OTHER: P-Graded                                   |  |  |
| SIZE: 2-3/4" x 13 yd                  |                  |             | SIZE: 2-3/4" x 13 yd                              |  |  |
| GRIT                                  | MIN. / STD. PKG. | PART #      | PART #  |  |  |
| 80                                    | 1/4              | 63642506261 | 63642506113                                       |  |  |
| 120                                   | 1/4              | 63642506259 | 63642506114                                       |  |  |
| 150                                   | 1/4              | 63642506258 | 63642506117                                       |  |  |
| 180                                   | 1/4              | 63642506257 | 63642506118                                       |  |  |
| 220                                   | 1/4              | 63642506256 | 63642506119                                       |  |  |
| 240                                   | 1/4              |             | 63642506120                                       |  |  |
| 320                                   | 1/4              | 63642506255 | 63642506121                                       |  |  |
| 400                                   | 1/4              | 66623329518 | 63642506122                                       |  |  |
| 500                                   | 1/4              | 66623329547 | 63642506123                                       |  |  |
| 600                                   | 1/4              | 66623329548 | 63642506124                                       |  |  |

2-3/4" wide hook and loop paper rolls are perforated at 2-3/4" which allows use on all standard lengths of hand blocks and file boards.

## Roll Accessories



### PSA Roll Dispenser

- Heavy-duty wire dispenser has a vinyl coating to protect the work surface
- Accommodates two 2-3/4" PSA rolls; stackable for multi-grit operations. Attach to wall or mount on cabinet

| DESCRIPTION        | STD. PKG. | PART #      |
|--------------------|-----------|-------------|
| PSA Roll Dispenser | 1         | 63642542773 |



### PSA/Hook & Loop Sanding Blocks

- Ergonomically-shaped flexible foam blocks used with 2-3/4" rolls, fit comfortably in your hand
- Firm block produces a truly flat surface
- The soft block is designed for flat surfaces and contours

| SIZE          | DESCRIPTION | STD. PKG. | BACKING ATTACHMENT: |             |
|---------------|-------------|-----------|---------------------|-------------|
|               |             |           | PSA                 | Hook & Loop |
| 2-3/4 x 5     | Soft        | 5         | 63642542090         | 63642542092 |
| 2-3/4 x 5     | Firm        | 5         | 63642542091         | 63642542093 |
| 2-3/4 x 7-3/4 | Soft        | 5         |                     | 63642542095 |
| 2-3/4 x 7-3/4 | Firm        | 5         | 63642542094         |             |

Rotolo Foam Sanding Pads

APPLICATION/GRIT RECOMMENDATION GUIDE

| COARSER            |     |     |               |     |     |                |     |                  |     |                   | FINER |
|--------------------|-----|-----|---------------|-----|-----|----------------|-----|------------------|-----|-------------------|-------|
| 120                | 150 | 180 | 220           | 240 | 280 | 320            | 400 | 500              | 600 | 800               | 1000  |
| Cleaning/Repairing |     |     | Final Sanding |     |     | Feather Edging |     | Basecoat Sanding |     | Clearcoat Sanding |       |

NO-FIL NORTON OP A275 ROTOLO FOAM ROLLS

THE BETTER CHOICE FOR FINE SANDING FLAT AND CURVED SURFACES

FEATURES

- Original Performance A275 (premium P-graded, aluminum oxide grain with No-Fil coating) on Rotolo foam backing
- 4-1/2" wide x 82' long roll perforated every 5-1/2 inches
- Convenient dispensing box

BENEFITS

- Perfect for hand sanding without leaving finger marks
- Provides outstanding finish on wood, metal, composites, primers, sealers, and top coats
- Fast cut and long life without loading
- Compatible with all coatings
- 50% – 60% improvement in tear strength
- Standard 1/4 sheet size for hand or machine sanding
- 178 sheets per roll
- Protects A275 Rotolo foam from damage

TIER: **BETTER**  
 BRAND: Norton  
 TRADENAME: **OP A275 ROTOLO**  
 ABRASIVE: Aluminum Oxide  
 OTHER: P-Graded

| SIZE (W x L) | GRIT SIZE | ROLLS/STD. PKG. | PART #      |
|--------------|-----------|-----------------|-------------|
| 4-1/2" x 82' | 120       | 2               | 63642535316 |
|              | 150       | 2               | 63642557584 |
|              | 180       | 2               | 63642557599 |
|              | 220       | 2               | 63642557600 |
|              | 240       | 2               | 63642557602 |
|              | 280       | 2               | 63642557604 |
|              | 320       | 2               | 63642557606 |
|              | 400       | 2               | 63642557608 |
|              | 500       | 2               | 63642557611 |
|              | 600       | 2               | 63642557612 |
|              | 800       | 2               | 63642557613 |
| 1000         | 2         | 63642557616     |             |

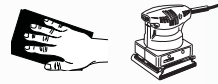






Engineered for flexibility and fast cutting, cloth sheets and rolls have a longer life than paper. They tear cleanly and straight without shedding and are packed in a protective dispenser to eliminate waste and damage.

Categories: All purpose, fine finishing, and screen-back  
 Applications: Scouring and light deburring, scale and rust removal, blending and fine sanding, polishing lathe turnings, rolls and cylinders, and blending machine tool marks  
 Size Range: Sheets: 9" x 11"  
 Rolls: 1" x 10 yds., 1-1/2" – 2" x 25 yds., 1" – 4" x 50 yds.  
 Grit Range: 40 – 600, extra coarse, coarse, medium, fine  
 Abrasive Grain: Aluminum Oxide, Silicon Carbide, Emery  
 Machine Used:



### CROSS REFERENCE GUIDE

|               |  | GOOD                                 |                  |                 |  |
|---------------|--|--------------------------------------|------------------|-----------------|--|
| <b>NORTON</b> | Metalite K225                          | Norton R243                          | Emery K622       | Screen-Bak Q421 |  |
| 3M            | 311T Three-M-lte BG<br>211K Electrocut | 211K Three-M-lte<br>311K Three-M-lte | 011k Crystal Bay | 481Q            |  |
| Hermes        | RB317LX                                | RB232J                               | –                | –               |  |
| Klingspor     | CS310X                                 | KL361                                | KL371            | –               |  |
| Sait          | DA-F                                   | EA-F                                 | –                | Saitscreen      |  |
| SIA           | –                                      | 2947J                                | C680J            | –               |  |
| VSM           | KK504X                                 | KK504J, KK504X                       | –                | –               |  |

### APPLICATION/STARTING RECOMMENDATION GUIDE

|                          |                  |             |                        |
|--------------------------|------------------|-------------|------------------------|
| Durability/Stock Removal | Conformability   | Slower Cut  | Waterproof             |
| Fast Cut                 | Excellent Finish | Fine Finish | Load Resistant         |
| Metalite K225            | Norton R243      | Emery K622  | Screen-Bak Durite Q421 |

## NORTON METALITE K225 ALUMINUM OXIDE

### GOOD CHOICE FOR GENERAL-PURPOSE METAL AND WOODWORKING APPLICATIONS

#### FEATURES & BENEFITS

- Superior conformability to flat and complex surfaces, better finishes, and fast cutting action provided by our quality, P-graded aluminum oxide abrasives and smooth, J-wt. flexible cotton backing; 40-60 grits rolls and sheets are supplied in durable, but smooth, flexible X-Weight cotton backing
- The full grit range – P40 - P600 – allows one product family to be used on your scouring to finishing jobs

## NORTON R243 ALUMINUM OXIDE

### GOOD CHOICE FOR SMALL-VOLUME METAL AND WOODWORKING APPLICATIONS AT A LOW INITIAL PRICE

#### FEATURES & BENEFITS

- Superior conformability to flat and complex surfaces, better finishes, and fast cutting action provided by our quality, P-graded aluminum oxide abrasives and smooth, J-weight flexible cotton backing
- The full grit range – P40 - P600 – allows one product family to be used on your scouring to finishing jobs
- Our low initial price makes these the products of choice for numerous small volume jobs where you are unable to measure performance



# CLOTH SHEETS AND ROLLS

## NORTON K622 EMERY

**GOOD CHOICE FOR REMOVING RUST, PAINT AND SCALE FROM METAL SURFACES**

FEATURES & BENEFITS

- Natural emery abrasive is coated onto a flexible cloth backing for increased durability
- Used for light deburring and cleaning
- Ideal for hand sanding, deburring, polishing and removing cutting tool marks on all metal parts

## NORTON SCREEN-BAK Q421 SILICON CARBIDE

**GOOD CHOICE FOR SANDING SOFTER MATERIALS WHERE LOADING IS A MAJOR PROBLEM SUCH AS PLASTIC, COPPER, BRASS, PLASTER, WOOD, AND DRYWALL**

FEATURES & BENEFITS

- Coated on both sides with P-graded silicon carbide for excellent cutting and non-loading properties
- Open weave screen for extreme resistance to loading when removing scale, rust and corrosion
- Open mesh design is waterproof and washable, allowing you to rinse and reuse

Cloth Sheets

|                   |                      |                   |                        |
|-------------------|----------------------|-------------------|------------------------|
|                   |                      |                   |                        |
| <b>TIER:</b>      | <b>GOOD</b>          | <b>GOOD</b>       | <b>GOOD</b>            |
| <b>BRAND:</b>     | Norton               | Norton            | Norton                 |
| <b>TRADENAME:</b> | <b>METALITE K225</b> | <b>EMERY K622</b> | <b>SCREEN-BAK Q421</b> |
| <b>ABRASIVE:</b>  | Aluminum Oxide       | Emery             | Silicon Carbide        |
| <b>BACKING:</b>   | J-Weight Cotton      | J-Weight Cotton   | Mesh                   |
| <b>OTHER:</b>     | P-Graded             |                   | P-Graded/Waterproof    |

| SIZE (W x L) | GRIT         | MIN./STD. PKG. | PART #       | PART # | MIN./STD. PKG. | PART #      |
|--------------|--------------|----------------|--------------|--------|----------------|-------------|
| 9 x 11       | 40           | 25/125         | 66261058713+ |        |                |             |
|              | 50           | 25/125         | 66261101862+ |        |                |             |
|              | 60           | 25/125         | 66261101861+ |        |                |             |
|              | 80           | 25/125         | 66261126340  |        | 25/125         | 66261100960 |
|              | 100          | 50/250         | 66261126339  |        | 25/125         | 66261100955 |
|              | 120          | 50/250         | 66261126338  |        | 25/125         | 66261100950 |
|              | 150          | 50/250         | 66261126337  |        | 25/125         | 66261100945 |
|              | 180          | 50/250         | 66261126336  |        | 25/125         | 66261100940 |
|              | 220          | 50/250         | 66261126335  |        | 25/125         | 66261100935 |
|              | 240          | 50/250         | 66261126334  |        |                |             |
|              | 280          | 50/250         | 66261126333  |        |                |             |
|              | 320          | 50/250         | 66261126332  |        | 25/125         | 66261100920 |
|              | 400          | 50/250         | 66261126331  |        | 25/125         | 66261100915 |
|              | 500          | 50/250         |              |        |                |             |
|              | 600          | 50/250         | 66261126330  |        |                |             |
|              | Extra Coarse | 25/125         |              |        | 66261101255    |             |
|              | Coarse       | 25/125         |              |        | 07660701307    |             |
|              | Medium       | 50/250         |              |        | 07660701309    |             |
|              | Fine         | 50/250         |              |        | 07660701308    |             |

+ 40 - 60 grit are supplied in durable, but flexible X-weight cotton backing

## Cloth Rolls



|            |                      |                      |                      |                      |                      |
|------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| TIER:      | <b>GOOD</b>          | <b>GOOD</b>          | <b>GOOD</b>          | <b>GOOD</b>          | <b>GOOD</b>          |
| BRAND:     | Norton               | Norton               | Norton               | Norton               | Norton               |
| TRADENAME: | <b>METALITE K225</b> | <b>METALITE K225</b> | <b>METALITE K225</b> | <b>METALITE K225</b> | <b>METALITE K225</b> |
| ABRASIVE:  | Aluminum Oxide       | Aluminum Oxide       | Aluminum Oxide       | Aluminum Oxide       | Aluminum Oxide       |
| BACKING:   | J-Weight Cotton      | J-Weight Cotton      | J-Weight Cotton      | J-Weight Cotton      | J-Weight Cotton      |
| SIZE:      | 1" x 10 yds          | 1" x 50 yds          | 1-1/2" x 50 yds      | 2" x 50 yds          | 4" x 50 yds          |
| OTHER:     | P-Graded             | P-Graded             | P-Graded             | P-Graded             | P-Graded             |

| GRIT | STD. PKG. | PART #      | PART #       | PART #       | PART #       | PART #       |
|------|-----------|-------------|--------------|--------------|--------------|--------------|
| 40   | 1         |             | 66261058716+ | 66261058715+ | 66261058714+ |              |
| 50   | 1         |             | 66261127728+ | 66261127730+ | 66261127732+ |              |
| 60   | 1         |             | 66261127729+ | 66261127731+ | 66261127733+ |              |
| 80   | 1         | 66261134298 | 66261126276  | 66261126288  | 66261126299  |              |
| 100  | 1         | 66261134299 | 66261126275  | 66261126287  | 66261126298  |              |
| 120  | 1         | 66261134300 | 66261126274  | 66261126286  | 66261126297  | 66261127285* |
| 150  | 1         | 66261134301 | 66261126273  | 66261126285  | 66261126296  |              |
| 180  | 1         | 66261134302 | 66261126272  | 66261126284  | 66261126295  |              |
| 220  | 1         |             | 66261126271  | 66261126283  | 66261126294  |              |
| 240  | 1         | 66261134303 | 66261126270  | 66261126282  | 66261126293  |              |
| 280  | 1         |             | 66261126269  | 66261126281  | 66261126292  |              |
| 320  | 1         | 66261134304 | 66261126268  | 66261126280  | 66261126291  |              |
| 400  | 1         |             | 66261126267  | 66261126279  | 66261126290  |              |
| 600  | 1         |             | 66261126266  | 66261126278  | 66261126289  |              |

+ 40 - 60 grit, are supplied in durable, but flexible X-weight cotton backing

\* Packaging Standards: 4" Roll Std. Pkg.: 6 rolls

## Cloth Rolls



|            |                 |                 |                 |                        |                        |
|------------|-----------------|-----------------|-----------------|------------------------|------------------------|
| TIER:      | <b>GOOD</b>     | <b>GOOD</b>     | <b>GOOD</b>     | <b>GOOD</b>            | <b>GOOD</b>            |
| BRAND:     | Norton          | Norton          | Norton          | Norton                 | Norton                 |
| TRADENAME: | <b>R243</b>     | <b>R243</b>     | <b>R243</b>     | <b>SCREEN-BAK Q421</b> | <b>SCREEN-BAK Q421</b> |
| ABRASIVE:  | Aluminum Oxide  | Aluminum Oxide  | Aluminum Oxide  | Silicon Carbide        | Silicon Carbide        |
| BACKING:   | J-Weight Cotton | J-Weight Cotton | J-Weight Cotton | Mesh                   | Mesh                   |
| SIZE:      | 1" x 50 yds     | 1-1/2" x 50 yds | 2" x 50 yds     | 1-1/2" x 25 yds        | 2" x 25 yds            |
| OTHER:     | P-Graded        | P-Graded        | P-Graded        | P-Graded Waterproof    | P-Graded Waterproof    |

| GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #       | PART #       |
|------|-----------|-------------|-------------|-------------|--------------|--------------|
| 60   | 1         | 66261136178 | 66261136190 | 66261136203 |              |              |
| 80   | 1         | 66261136179 | 66261136192 | 66261136204 | 66261107275* |              |
| 100  | 1         | 66261136180 | 66261136194 | 66261136205 |              |              |
| 120  | 1         | 66261136181 | 66261136195 | 66261136206 | 66261107270* | 66261149811* |
| 150  | 1         | 66261136182 | 66261136196 | 66261136207 |              |              |
| 180  | 1         | 66261136186 | 66261136199 | 66261136208 | 66261107265* |              |
| 240  | 1         | 66261136187 | 66261136200 | 66261136209 |              |              |
| 320  | 1         | 66261136188 | 66261136201 | 66261136210 |              |              |
| 400  | 1         | 66261136189 | 66261136202 | 66261136211 |              |              |

\* Packaging Standards: Screen-Bak Q421 Std. Pkg.: 10 rolls





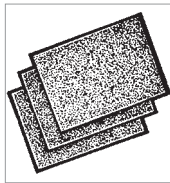
Flexible, abrasive sanding sponges for a wide variety of curved, contoured or flat surface applications on wood, metal, paint, plastic, ceramics and drywall.

- Applications:** Light stock removal, sanding sealer and wash-coats, touch-up or repair of primer, sanding contours and intricate shapes, and finishing
- Benefits:** Can be used wet or dry  
Clog resistant, washable, reusable  
Easy to use, can be folded without cracking  
Conformable  
Generate a consistent surface finish

**Machine Used:**



## WHY CHOOSE ABRASIVE SPONGES VERSUS CONVENTIONAL SHEETS?



### Eliminate Clogging

- The combination of flexible foam backing material and abrasive grit adhesion continually releases sanded material
- Any clogging can be washed out

### Pressure Control

- Foam backing allows optimum pressure distribution to prevent sanding through surfaces
- Pressure spots are eliminated providing even surface pattern

### Adapt to Contours

- Flexible foam allows adaptability to contours, shapes or areas of limited access
- No folding or buckling results in an even pattern without scratching

## SURFACE FINISHING CHART – CONTOUR SPONGES VERSUS SHEETS

| ← COARSER |      |          |      |                |      |      |                |      |                |       |                    | FINER → |  |  |  |
|-----------|------|----------|------|----------------|------|------|----------------|------|----------------|-------|--------------------|---------|--|--|--|
| P150      | P180 | P220     | P280 | P320           | P400 | P500 | P600           | P800 | P1000          | P1200 | P1500              | P2000   |  |  |  |
| Medium 60 |      | Fine 100 |      | Extra Fine 150 |      |      | Super Fine 180 |      | Ultra Fine 220 |       | Micro Fine 280/320 |         |  |  |  |

## SURFACE FINISHING CHART – SPONGE PADS VERSUS SHEETS

| ← COARSER       |      |           |      |                 |      |      |                |      |                     |      |      |       | FINER →              |  |  |  |
|-----------------|------|-----------|------|-----------------|------|------|----------------|------|---------------------|------|------|-------|----------------------|--|--|--|
| P80             | P100 | P120      | P150 | P180            | P220 | P280 | P320           | P400 | P500                | P600 | P800 | P1000 | P1200                |  |  |  |
| Extra Coarse 36 |      | Coarse 60 |      | Medium 80 - 120 |      |      | Fine 120 - 150 |      | Very Fine 180 - 220 |      |      |       | Micro Fine 280 - 320 |  |  |  |

## CROSS REFERENCE GUIDE

|               | BETTER      | GOOD    | GOOD           | GOOD             | GOOD             | GOOD     |
|---------------|-------------|---------|----------------|------------------|------------------|----------|
| <b>NORTON</b> | SoftTouch   | Contour | Small Area     | Profile          | Sealer Sanding   | Flexible |
| 3M            | Softback    | Contour | Full Size      | High Flexibility | Woodworking      | Pro Pads |
| Hermes        | Single Side | –       | Four Sided     | –                | Two Sided        | –        |
| Klingspor     | –           | –       | –              | –                | Foam Sanding Pad | –        |
| SIA           | Flat Pad    | –       | Standard Block | –                | Standard Pad     | –        |





### BETTER SoftTouch Contour Sponges – Coated 1 side

- Superior flexibility; for hand-sanding or finishing flat, curved, contoured and hard-to-reach areas on wood, metal, composites, paint and solid surfaces
- Premium foam substrate provides for an extremely smooth and uniform sanded surface

| SIZE (W x L x T)     | GRIT           | STD. PKG. | PART #      |
|----------------------|----------------|-----------|-------------|
| 4-1/2 x 5-1/2 x 3/16 | 60 Medium      | 80        | 07660703074 |
|                      | 100 Fine       | 80        | 07660703075 |
|                      | 180 Super Fine | 80        | 07660703076 |
|                      | 220 Ultra Fine | 80        | 07660703077 |
|                      | 280 Micro Fine | 80        | 07660703078 |



### GOOD Contour Sponges – Coated 1 side

- Thin, flexible; good for sanding small diameters and contours such as ceramics, spindles, turnings and railings

| SIZE (W x L x T)     | GRIT           | STD. PKG. | PART #      |
|----------------------|----------------|-----------|-------------|
| 4-1/2 x 5-1/2 x 3/16 | 100 Fine       | 100       | 07660702257 |
|                      | 150 Extra Fine | 100       | 07660702256 |
|                      | 220 Ultra Fine | 100       | 07660702255 |



### GOOD Small Area General Purpose Sponges – Coated 4 sides

- Good for a wide variety of materials and sanding applications where moderate flexibility is needed
- Medium to firm density open cell polyurethane foam provides uniform support and moderately aggressive cutting action while generating a smooth surface

| SIZE (W x L x T) | GRIT                    | STD. PKG. | PART #      | BULK PKG. | PART #      |
|------------------|-------------------------|-----------|-------------|-----------|-------------|
| 4 x 2-3/4 x 1    | 36/80<br>Ex. Coarse/Med | 24        | 07660749505 | 250       | 07660704735 |
|                  | 80/80<br>Med/Med        | 24        | 07660749507 | 250       | 07660701875 |
|                  | 80/120<br>Med/Fine      | 24        | 07660749504 | 250       | 07660702600 |
|                  | 120/120<br>Fine/Fine    | 24        | 07660749506 |           |             |



### GOOD Profile Sponges – Coated 3 sides

- Good for corners and flat surfaces on wood, metal, plastic and paint
- Ideal for cabinet sanding of raised profile doors

| SIZE (W x L x T) | GRIT       | STD. PKG. | PART #      |
|------------------|------------|-----------|-------------|
| 4 x 2-3/4 x 1/2  | 100 Medium | 500       | 63642536313 |



### GOOD Sealer Sanding Sponges – Coated 2 sides

- Very flexible; silicon carbide abrasive for sanding primers, sealers and between coats on furniture and cabinets

| SIZE (W x L x T)    | GRIT            | BULK PKG. | PART #      |
|---------------------|-----------------|-----------|-------------|
| 4-3/4 x 3-3/4 x 1/2 | 36 Extra Coarse | 250       | 63642502538 |
|                     | 60 Coarse       | 250       | 63642552870 |
|                     | 100 Medium      | 250       | 63642552869 |
|                     | 150 Fine        | 250       | 63642552868 |



### GOOD Flexible Abrasive Sponges – Coated 1 side

- Ideal for final sanding of surfaces, primer sanding, and between coats sanding
- Best initial price point for abrasive sponges

| SIZE (W x L x T) | GRIT          | STD. PKG. | PART #      | BULK PKG. | PART #      |
|------------------|---------------|-----------|-------------|-----------|-------------|
| 3 x 4 x 1/2      | 60 Coarse     | 48        | 07660704068 | 108       | 07660701110 |
|                  | 80 Medium     | 48        | 07660704067 | 108       | 07660704070 |
|                  | 100 Medium    | 48        | 07660704066 | 108       | 07660700950 |
|                  | 150 Fine      | 48        | 07660704065 | 108       | 07660700949 |
|                  | 220 Very Fine |           |             | 108       | 07660704069 |

# FLEXIBLE DIAMOND-COATED HAND PADS

Norton flexible diamond coated hand pads combine the durability and aggressiveness of diamond, with a flexible backing.

Applications: Diamond coated hand pads: shaping, rapid stock removal, touch-up and repair on ceramics, stone, marble, glass, composites and hard materials; polishing of dies and molds  
 Quadroflex diamond hand pads: surface conditioning, repairs, and removing flash and burrs on aircraft composites and windmill blades

Size Range: 3-1/2" x 2-1/8"  
 Grit Range: 60 – 1500  
 Abrasive Types: Diamond  
 Machine Used:



## FLEXIBLE DIAMOND-COATED HAND PADS – CONVENTIONAL AND QUADROFLEX CURVED

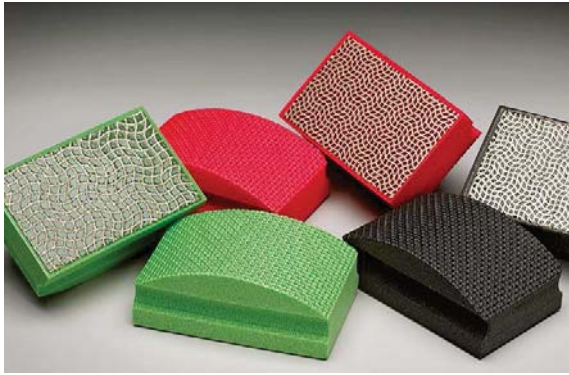
BETTER CHOICE FOR SHAPING, RAPID STOCK REMOVAL, SURFACE CONDITIONING, TOUCH-UP, REPAIR, AND POLISHING

### FEATURES

- Lightweight conformable backing
- Color coded by grit size
- Conventional hand pads: precision dot pattern
- Quadroflex curved hand pad

### BENEFITS

- Adaptable to a variety of shapes and conditions
- Durable, long life
- Uniform finishes; improved surface quality
- Can be used wet or dry
- No dressing required
- Eases identification
- Aggressive, consistent, fast cut rate, reduces dust and loading
- Ergonomic advantages, overall lower cost



|               |                         | TIER BETTER       |           |             | TRADENAME: DIAMOND COATED HAND PADS        |  | TIER BETTER |  |  |
|---------------|-------------------------|-------------------|-----------|-------------|--|--|-------------|--|--|
|               |                         | ABRASIVE: Diamond |           |             | QUADROFLEX CURVED DIAMOND COATED HAND PADS |  |             |  |  |
| SIZE (L x W)  | COLOR                   | GRIT              | STD. PKG. | PART #      |  |  | PART #      |  |  |
| 3-1/2 x 2-1/8 | Green                   | 60                | 1         | 66260306360 |  |  | 69014121517 |  |  |
|               | Black                   | 120               | 1         | 66260306361 |  |  | 69014121518 |  |  |
|               | Red                     | 200               | 1         | 66260306362 |  |  | 69014123529 |  |  |
|               | Yellow                  | 400               | 1         | 66260305852 |  |  | 69014123530 |  |  |
|               | White                   | 800               | 1         | 66260306363 |  |  | 69014123531 |  |  |
|               | Blue                    | 1500              | 1         | 66260306364 |  |  |             |  |  |
|               | Kit (one each of above) |                   |           | 1           | 66260307720                                |  |             |  |  |

Portable file belt sanders have replaced tedious hand filing and sanding. First introduced in pneumatic, they are now also available in electric. Increasingly, tool manufacturers are introducing additional fixtures for additional applications. The belts listed are popular stock sizes, but additional sizes, specifications, backing materials, and edge scallops are available made-to-order.

Applications: Light weld removal and blending, shape and contour sanding, surface preparation prior to coating and plating, removing cutting tool marks from molds and dies, general clean-up and finishing

Size Range: 1/8" to 1" wide, 12" to 30" long

Grit Range: 40 – 120

Abrasive Grain: Ceramic Alumina, Zirconia Alumina, Aluminum Oxide

Machine Used:



**CROSS REFERENCE GUIDE**

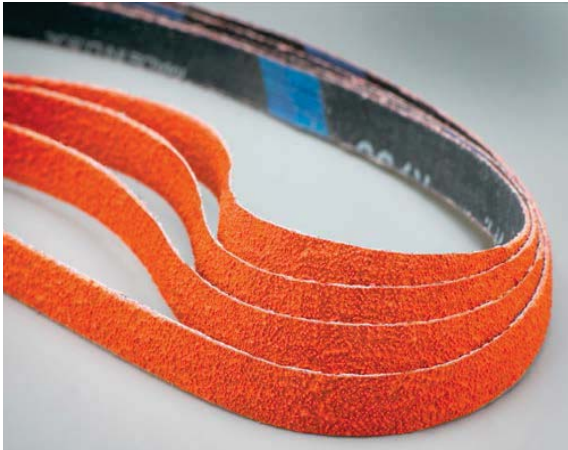
|               | BEST           | BEST           | BETTER               | GOOD                          | GOOD      |
|---------------|----------------|----------------|----------------------|-------------------------------|-----------|
| <b>NORTON</b> | Blaze R980P    | Norton SG R981 | BlueFire R887P/R823P | Metalite R283                 | R766      |
| 3M            | 984F, 977F     | 963G, 967F     | 577F, 777F           | 241E                          | 363F      |
| Hermes        | CR456          | –              | RB486 44 Z           | RB317J, RB316EJ<br>RB303 Flex | SB 378 YR |
| Klingspor     | CS610YY        | –              | CS411YX, CS 409Y     | CS310XF                       | CS412     |
| SIA           | –              | –              | –                    | 933A, 936A                    | –         |
| VSM           | SK840X, SK750X | –              | KK715X               | KK711T, KK511J                | KK711     |

**MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE**

|                          | HEAVY-DUTY  |   | GENERAL-DUTY   |
|--------------------------|---|---|--|
|                          | BEST<br>Highest Productivity;<br>Lowest Total Cost. | BETTER<br>Excellent Blend of<br>Performance & Price | GOOD<br>Consistent Performance;<br>Low Initial Price |
| Carbon Steel             | Norton Blaze R980P                                  | Norton BlueFire R887P/R823P                         | Norton R766  |
| Stainless Steel / Alloys | Norton Blaze R980P                                  | Norton BlueFire R887P/R823P                         | Norton R766  |
| Cast Iron                | Norton Blaze R980P                                  | Norton BlueFire R887P/R823P                         | Norton R766  |
| Brass/Bronze             | –   | Norton BlueFire R887P/R823P                         | Norton R766  |
| Aluminum                 | –   | Norton BlueFire R887P/R823P                         | Norton R766  |

**NORTON BLAZE R980P CERAMIC ALUMINA**

**BEST FOR STAINLESS, COBALT, CHROME, INCONEL, TITANIUM, MILD AND CARBON STEEL**



**FEATURES**

- Next-generation cooler cutting Norton SG ceramic alumina grain
- Y-weight polyester waterproof cloth backing
- Improved resin bond system
- Advanced "supersize" grinding lubricant

**BENEFITS**

- Lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, Inconel and titanium
- Better metal integrity
- Edge-fray resistance
- Excellent body-retention for more consistent grinding throughout belt life
- Significantly improved belt life due to exceptional grain adhesion
- Cooler cutting throughout the life of the belt
- Improved part finish and integrity



## NORTON BLUEFIRE R887/R823P ZIRCONIA ALUMINA

THE BETTER CHOICE FOR STAINLESS AND CARBON STEEL

### FEATURES & BENEFITS

- High-performance, self-sharpening zirconia alumina abrasive for industry-leading cut rate and life
- High-performance resin bond provides strong grain adhesion, longer life
- Strong Y-weight polyester backing - R887P for heavy-duty stock removal applications
- Flexible X-weight polyester backing - R823P for moderate- to light-pressure applications

VENDIBLE

## NORTON R766 ALUMINUM OXIDE

GOOD CHOICE FOR DIFFICULT-TO-GRIND MATERIALS (ALUMINUM, BRASS, BRONZE, STAINLESS, CARBON STEEL, TITANIUM, ETC.)

### FEATURES & BENEFITS

- Premium aluminum oxide abrasive blend is ideal when purchasing criteria is a good-performing, economically priced, general purpose belt
- Resin bond system provides good edge retention and life versus key competitors
- Y-weight waterproof polyester backing withstands light- to moderately-demanding applications and provides extended life on dry grinding applications



| TIER:      | BEST               | BEST                  | BETTER                      | GOOD                 | GOOD                 |
|------------|--------------------|-----------------------|-----------------------------|----------------------|----------------------|
| BRAND:     | Norton             | Norton                | Norton                      | Norton               | Norton               |
| TRADENAME: | <b>BLAZE R980P</b> | <b>NORTON SG R981</b> | <b>BLUEFIRE R887/R823P+</b> | <b>R766</b>          | <b>METALITE R283</b> |
| ABRASIVE:  | Ceramic Alumina    | Ceramic Alumina       | Zirconia Alumina            | Aluminum Oxide Blend | Aluminum Oxide       |
| BACKING:   | Y-Weight Polyester | Y-Weight Polyester    | Y- or X-Weight Polyester    | Y-Weight Polyester   | X-Weight Rayon       |
| OTHER:     | Supersize          | Supersize             |                             |                      |                      |

| SIZE (W x L)     | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|------------------|------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>12" Belts</b> |      |           |             |             |             |             |             |
| 1/8 x 12         | 40   | 50        | 66254491518 |             | 66254492520 | 66623390000 | 66254491536 |
|                  | 60   | 50        | 66254405345 | 66254491522 | 66261093029 | 66623390001 |             |
|                  | 80   | 50        | 66261089479 | 66254491523 | 66261093030 | 66623390002 | 66254491537 |
|                  | 120  | 50        | 66254491519 | 66254491524 | 66254491533 |             | 66254491538 |
| 1/4 x 12         | 40   | 50        | 66254491520 | 66254491525 |             | 66623390003 | 66254491539 |
|                  | 60   | 50        | 66261196480 |             | 78072758896 | 66623390004 |             |
|                  | 80   | 50        | 66261063617 | 66254491526 | 78072782621 | 66623390005 | 78072766143 |
|                  | 120  | 50        | 66261063632 | 66254491527 | 78072782622 |             | 78072763175 |
| 1/2 x 12         | 40   | 50        | 69957398018 | 66254491528 | 66254492522 | 66623390006 | 78072727557 |
|                  | 50   | 50        | 66261043759 | 78072718700 | 66254492523 | 66623390007 | 66254491540 |
|                  | 60   | 50        | 69957398019 | 78072718701 | 78072728745 | 66623390008 | 78072727555 |
|                  | 60   | 25 V      |             |             | 66623373753 |             |             |
|                  | 80   | 50        | 69957398020 | 78072718702 | 78072728744 | 66623390009 | 78072727554 |
|                  | 80   | 25 V      |             |             | 66623373754 |             |             |
|                  | 100  | 50        | 66261081180 | 66254491529 | 66254491534 |             | 78072727553 |
|                  | 120  | 50        | 66261042909 | 78072700518 | 78072728742 |             | 78072727552 |
| 120              | 25 V |           |             | 66623373755 |             |             |             |
| 1 x 12           | 60   | 50        | 66261063641 |             | 78072753073 | 66623390010 | 78072773813 |
| <b>13" Belts</b> |      |           |             |             |             |             |             |
| 3/8 x 13         | 60   | 50        | 69957345359 | 78072745459 | 78072740295 | 66623390011 | 78072732112 |
|                  | 80   | 50        | 69957392150 | 78072774916 | 78072736062 | 66623390012 | 78072771323 |
| <b>18" Belts</b> |      |           |             |             |             |             |             |
| 1/8 x 18         | 40   | 50        | 66254475211 |             | 66254492524 | 66623390013 | 66254491541 |
|                  | 60   | 50        | 66261080010 |             | 66254491535 | 66623390014 |             |
|                  | 80   | 50        | 66261089120 | 78072789083 | 78072760595 | 66623390015 |             |
|                  | 120  | 50        | 66254475215 | 78072789084 | 63642595221 |             |             |

Additional sizes, grits and scalloped edge belts are available MTO (made-to-order). Please contact your local Norton Distributor to check availability.

+40 and 50 grit BlueFire belts are furnished in BlueFire R887 (Y-wt Polyester); 60-120 grits are supplied in BlueFire R823P (X-wt. Polyester).

Joints - All belts are PG jointed; a butt joint joined with flexible tape for contour grinding.

V = Vendible package. Ideal for vending machines and small jobs. 5 belts per pack / 5 packs per carton. Order in multiples of 25.

continued





|                               |                       |                             |                    |                      |
|-------------------------------|-----------------------|-----------------------------|--------------------|----------------------|
| TIER: <b>BEST</b>             | <b>BEST</b>           | <b>BETTER</b>               | <b>GOOD</b>        | <b>GOOD</b>          |
| BRAND: Norton                 | Norton                | Norton                      | Norton             | Norton               |
| TRADENAME: <b>BLAZE R980P</b> | <b>NORTON SG R981</b> | <b>BLUEFIRE R887/R823P+</b> | <b>R766</b>        | <b>METALITE R283</b> |
| ABRASIVE: Ceramic Alumina     | Ceramic Alumina       | Zirconia Alumina            | Premium A/O Blend  | Aluminum Oxide       |
| BACKING: Y-Weight Polyester   | Y-Weight Polyester    | Y- or X-Weight Polyester    | Y-Weight Polyester | X-Weight Rayon       |
| OTHER: Supersize              | Supersize             |                             |                    |                      |

| SIZE (W x L)                 | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|------------------------------|------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>18" Belts (continued)</b> |      |           |             |             |             |             |             |
| 1/4 x 18                     | 40   | 50        | 66261027923 | 66261198953 | 66254492525 | 66623390016 | 66254491543 |
|                              | 60   | 50        | 69957347249 | 78072774684 | 78072743583 | 66623390017 | 78072771000 |
|                              | 60   | 25 V      |             |             | 66623373747 |             |             |
|                              | 80   | 50        | 69957346155 | 78072703284 | 78072753075 | 66623390018 | 78072773921 |
|                              | 80   | 25 V      |             |             | 66623373748 |             |             |
| 1/2 x 18                     | 120  | 50        | 66261085071 | 78072785655 | 78072773764 |             |             |
|                              | 40   | 50        | 69957398021 | 78072766018 | 66254444193 | 66623390019 | 78072727561 |
|                              | 60   | 50        | 69957398022 | 78072718704 | 78072728569 | 66623390020 | 78072727560 |
|                              | 60   | 25 V      |             |             | 66623373756 |             |             |
|                              | 80   | 50        | 69957398023 | 78072718705 | 78072728568 | 66623390021 | 78072727559 |
| 3/4 x 18                     | 80   | 25 V      |             |             | 66623373757 |             |             |
|                              | 120  | 50        | 66261041384 | 78072718706 | 78072728567 |             | 78072727558 |
|                              | 120  | 25 V      |             |             | 66623373758 |             |             |
|                              | 40   | 50        | 69957398027 | 78072762476 | 66254492526 | 66623390022 | 78072781797 |
|                              | 60   | 50        | 69957398028 | 78072745691 | 78072709590 | 66623390023 | 78072739966 |
| 20-1/2" Belts                | 60   | 25 V      |             |             | 66623373762 |             |             |
|                              | 80   | 50        | 69957398029 | 78072756309 | 78072758953 | 66623390024 | 78072732289 |
|                              | 80   | 25 V      |             |             | 66623373763 |             |             |
|                              | 120  | 25 V      |             |             | 66623373764 |             |             |
|                              | 40   | 50        | 69957398030 | 78072714398 | 66254457869 | 66623390025 | 78072727573 |
| 3/4 x 20-1/2                 | 50   | 50        | 69957344982 | 78072718714 | 66254492527 | 66623390026 | 66254491544 |
|                              | 60   | 50        | 69957398031 | 78072718715 | 78072728560 | 66623390027 | 78072727571 |
|                              | 60   | 25 V      |             |             | 66623373765 |             |             |
|                              | 80   | 50        | 69957398032 | 78072718716 | 78072728559 | 66623390028 | 78072727570 |
|                              | 80   | 25 V      |             |             | 66623373766 |             |             |
| 24" Belts                    | 100  | 50        | 66261055516 | 78072771151 | 66261038911 |             | 78072727569 |
|                              | 120  | 50        | 66261044755 | 78072727380 | 78072728557 |             | 78072727575 |
|                              | 40   | 50        | 66261198631 | 78072747823 | 66254473499 | 66623390029 | 66254401929 |
|                              | 60   | 50        | 69957345451 | 78072756534 | 78072728552 | 66623390030 | 78072727548 |
|                              | 60   | 25 V      |             |             | 66623373750 |             |             |
| 1/4 x 24                     | 80   | 50        | 63642596940 | 78072718340 | 78072767713 |             | 66261085068 |
|                              | 120  | 50        | 66261080367 | 78072770718 | 78072728550 |             | 66261085069 |
|                              | 40   | 50        | 69957398024 | 78072760092 | 66254492528 | 66623390032 | 78072727568 |
|                              | 50   | 50        | 66261043757 | 78072718707 | 66254452237 | 66623346910 | 78072727567 |
|                              | 60   | 50        | 69957398025 | 78072718708 | 78072728564 | 66623390033 | 78072727566 |
| 1/2 x 24                     | 60   | 25 V      |             |             | 66623373759 |             |             |
|                              | 80   | 50        | 69957398026 | 78072718709 | 78072728566 | 66623390034 | 78072727565 |
|                              | 80   | 25 V      |             |             | 66623373760 |             |             |
|                              | 100  | 50        | 66261042203 | 78072745021 | 78072753076 |             | 66254491545 |
|                              | 120  | 50        | 66261042565 | 78072718710 | 78072728565 |             | 78072727564 |
| 1 x 24                       | 40   | 50        | 69957350019 | 66254491531 | 66254492529 | 66623390035 | 66254491546 |
|                              | 50   | 50        | 69957344889 | 78072710374 | 66254492530 | 66623390036 | 66254491547 |
|                              | 60   | 50        | 69957353375 | 78072737318 | 78072798720 | 66623390037 | 66254491548 |
|                              | 80   | 50        | 69957345419 | 78072772209 | 78072776498 | 66623334206 | 66261085068 |
|                              | 120  | 50        | 66261085067 | 66254491532 | 78072730029 |             | 66261085069 |
| <b>30" Belts</b>             |      |           |             |             |             |             |             |
| 1 x 30                       | 40   | 50        | 66261053470 |             | 66254478257 | 66623390038 | 66261189958 |
|                              | 60   | 50        | 69957345985 |             | 78072728583 | 66623390039 | 66254491549 |
|                              | 80   | 50        | 69957346105 | 78072764439 | 78072728582 | 66623390040 | 78072727579 |
|                              | 120  | 50        | 66261193676 | 78072781197 | 78072766992 |             | 78072727577 |

Additional sizes, grits and scalloped edge belts are available MTO (made-to-order). Please contact your local Norton Distributor to check availability.

+40 and 50 grit BlueFire belts are furnished in BlueFire R887 (Y-wt Polyester); 60-120 grits are supplied in BlueFire R823P (X-wt. Polyester).

Joints – All belts are PG jointed; a butt joint joined with flexible tape for contour grinding.

V = Vendible package. Ideal for vending machines and small jobs. 5 belts per pack / 5 packs per carton. Order in multiples of 25.

Portable belts are ideal for all your metal and woodworking applications. Choose 36 – 50 grits for rough/heavy-duty applications, 60 – 100 for intermediate, and 100 – 220 for finishing/polishing applications.

The belts listed are popular stock sizes, but additional sizes, specifications, and backing materials, are available made-to-order

Applications: Grinding and finishing all metals, blending welds, sanding and finishing wood, glass seaming, and polishing  
 Size Range: 3" to 4" wide, 15-1/2" to 24" long  
 Grit Range: 36 – 220  
 Abrasive Grain: Ceramic Alumina, Zirconia Alumina, Aluminum Oxide  
 Machine used:



**CROSS REFERENCE GUIDE**

|               | BEST             | BETTER           | GOOD                     |
|---------------|------------------|------------------|--------------------------|
| <b>NORTON</b> | Norton SG R981   | ProSand BlueFire | Metalite R215/R255       |
| 3M            | 977F, 967F, 963G | 777F, 577F       | 241D, 340D               |
| Hermes        | RB346MX          | RB484Z           | RB316XOP                 |
| Klingspor     | CS610YY          | CS411Y           | CS311YX, CS310X, LS309XH |
| Sait          | –                | ZH               | AOX, IAX                 |
| SIA           | –                | –                | 2903XO, 2905X, 2920X     |
| VSM           | SK855X           | ZK713X           | KK511X, KK711X, KK504X   |

**MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE**

|                                | HEAVY-DUTY  | GENERAL-DUTY  |
|--------------------------------|---|---|
|                                | <b>BEST</b><br>Highest Productivity;<br>Lowest Total Cost | <b>BETTER</b><br>Excellent Blend of<br>Performance & Price  |
| Wood                           | –   | Norton ProSand BlueFire                                     |
| Stainless Steel / Carbon Steel | Norton SG R981  | Norton ProSand BlueFire                                     |
| Brass / Bronze / Aluminum      | –   | Norton ProSand BlueFire                                     |
|                                |   | <b>GOOD</b><br>Consistent Performance;<br>Low Initial Price |
|                                |   | Norton Metalite R215/R255                                   |

**NORTON SG R981 CERAMIC ALUMINA**

**EXCEPTIONAL PERFORMANCE, ESPECIALLY ON HARD-TO-GRIND ALLOYS**

| FEATURES  | BENEFITS  |
|---|---|
| • Norton SG ceramic abrasive                          | • Exceptional life and value, especially on hard-to-grind alloys  |
| • Grinding-aid enhanced                               | • Longer life, cooler cut   |
| • Strong Y-weight polyester, waterproof cloth backing | • Improved grain adhesion, reduced edge-fray, and better body retention result in longer life and product consistency |

**NORTON PROSAND BLUEFIRE ZIRCONIA ALUMINA**

**THE BETTER CHOICE FOR STAINLESS STEEL AND WOOD**

| FEATURES   | BENEFITS   |
|--|--|
| • Premium, self-sharpening zirconia alumina        | • Aggressive abrasive, rapid cut rate, long life   |
| • Reversible butt splice                           | • Use in either direction for longer life  |
| • Open-coat design, strong Y-weight cotton backing | • Reduced loading, extended life   |
| • Packaged in convenient job packs                 | • Ideal for small jobs, carrying cleanly to job sites, and mounting on showroom displays |



Portable Belts for Belt Sanders



|                |                         |                       |
|----------------|-------------------------|-----------------------|
| TIER:          | <b>BETTER</b>           | <b>GOOD</b>           |
| BRAND:         | Norton                  | Norton                |
| TRADENAME:     | <b>PROSAND BLUEFIRE</b> | <b>ALUMINUM OXIDE</b> |
| ABRASIVE:      | Zirconia Alumina        | Aluminum Oxide        |
| BACKING:       | Y-Weight Cotton         | X-Weight Cotton       |
| JOINT:         | Plyweld                 | Plyweld               |
| GRAIN COATING: | Open Coat               | Open Coat             |
| OTHER:         |                         |                       |



|                |                      |
|----------------|----------------------|
| TIER:          | <b>GOOD</b>          |
| BRAND:         | Norton               |
| TRADENAME:     | <b>METALITE R255</b> |
| ABRASIVE:      | Aluminum Oxide       |
| BACKING:       | Y-Weight Polyester   |
| JOINT:         | Plyweld              |
| GRAIN COATING: | Open Coat            |
| OTHER:         | UPC Bar Coded        |

| SIZE (W x L) | GRIT | MIN./STD. PKG. | PART #      | PART #      | STD. PKG. | PART #      |
|--------------|------|----------------|-------------|-------------|-----------|-------------|
| 3 x 18       | 36   |                |             |             | 5         | 78072780447 |
|              | 50   | 5/25*          | 07660749259 | 07660700964 | 10        | 78072727994 |
|              | 80   | 5/25*          | 07660749258 | 07660700968 | 10        | 78072727993 |
|              | 120  | 5/25*          | 07660749256 | 07660700969 | 10        | 78072727992 |
| 3 x 21       | 36   | 5/25*          | 07660749266 | 07660701741 |           |             |
|              | 40   |                |             |             | 10        | 78072727927 |
|              | 50   | 5/25*          | 07660749265 | 07660701740 | 10        | 78072727926 |
|              | 60   |                |             |             | 10        | 78072727925 |
|              | 80   | 5/25*          | 07660749264 | 07660702064 | 10        | 78072727924 |
|              | 100  | 5/25*          | 07660749263 |             | 10        | 78072727923 |
|              | 120  | 5/25*          | 07660749262 | 07660702062 | 10        | 78072727922 |
|              | 220  | 5/25*          |             | 07660705287 |           |             |
| 3 x 24       | 36   | 5/25*          | 07660749272 | 07660701743 | 5         | 78072781847 |
|              | 40   |                |             |             | 10        | 78072727937 |
|              | 50   | 5/25*          | 07660749271 | 07660701742 | 10        | 78072727936 |
|              | 60   |                |             |             | 10        | 78072727935 |
|              | 80   | 5/25*          |             | 07660702067 | 10        | 78072727934 |
|              | 100  | 5/25*          | 07660749269 | 07660702066 | 10        | 78072727933 |
|              | 120  | 5/25*          | 07660749268 | 07660702065 | 10        | 78072727932 |
| 4 x 24       | 36   | 5/25*          | 07660749278 | 07660701745 | 5         | 78072780438 |
|              | 40   |                |             |             | 10        | 78072727947 |
|              | 50   | 5/25*          | 07660749277 | 07660701744 | 10        | 78072727946 |
|              | 60   |                |             |             | 10        | 78072727945 |
|              | 80   | 5/25*          | 07660749276 | 07660702069 | 10        | 78072727944 |
|              | 100  | 5/25*          | 07660749275 |             | 10        | 78072727943 |
|              | 120  | 5/25*          | 07660749274 | 07660702068 | 10        | 78072727942 |
|              | 180  | 5/25*          |             | 07660705285 |           |             |

\*Job Pack packing standards: 5 belts/Job Pack; 5 Job Packs per carton. Order by number of packs, in multiples of 5 packs.

Portable Belts for Pneumatic In-Line Drum Sanders



|                |                       |                       |                      |
|----------------|-----------------------|-----------------------|----------------------|
| TIER:          | <b>BEST</b>           | <b>BETTER</b>         | <b>GOOD</b>          |
| BRAND:         | Norton                | Norton                | Norton               |
| TRADENAME:     | <b>SG R981</b>        | <b>BLUEFIRE R823P</b> | <b>METALITE R215</b> |
| ABRASIVE:      | Ceramic Alumina       | Zirconia Alumina      | Aluminum Oxide       |
| BACKING:       | Y-Weight Polyester    | X-Weight Polyester    | X-Weight Cotton      |
| JOINT:         | Plyweld               | Plyweld               | Plyweld              |
| GRAIN COATING: | Closed Coat/Supersize | Closed Coat           | Open Coat            |

| SIZE (W x L)   | GRIT | STD. PKG. | PART #      | PART #      | PART #      |
|----------------|------|-----------|-------------|-------------|-------------|
| 3-1/2 x 15-1/2 | 36   | 10        | 78072700783 |             | 78072721997 |
|                | 60   | 10        | 78072718750 |             | 78072722000 |
|                | 80   | 10        | 78072718751 | 78072753074 | 78072721995 |
|                | 120  | 10        | 78072718753 |             |             |

A broad selection of sizes and grits for most dimensioning, intermediate grinding and polishing applications.

The belts listed are popular stock sizes, but additional sizes, specifications, and backing materials, are available made-to-order.

Applications: Benchstand and Backstand Belts: grinding and deburring of all metals, heavy stock removal, blending, dimensioning and shaping, polishing.

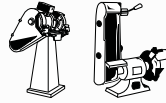
Centerless, Conveyor and Platen Belts: intermediate grinding stainless and carbon, moderate-pressure applications, dimensioning and finishing.

Size Range: 1" to 10" wide, 36" to 132" long

Grit Range: 24 – 320

Abrasive Grain: Ceramic Alumina, Zirconia Alumina, Aluminum Oxide

Machine Used:



## CROSS REFERENCE GUIDE

|               | BEST                                      | BEST                                | BETTER                      | BETTER         | BETTER  | BETTER  | GOOD  |
|---------------|---|-------------------------------------|-----------------------------|----------------|---|---|---|
| <b>NORTON</b> | Blaze R980P                               | Norton SG R981                      | BlueFire R887P              | BlueFire R821P | BlueFire R823P                                  | BlueFire R884P  | Metalite R228   |
| 3M            | 987F1, 977F, 777F, 967F, 963G, 963H, 984F | 987F1, 977F, 777F, 967F, 963G, 963H | 577F, 567G, 777F 977F       | 561D           | 561F Y, 551E XE 741A, 741E, 761D                | 561D, 561F, 563F 741A, 741E, 761D 761F                              | 240DZ OPK, 270DZ OPK, 241D, 248D, 251D, 341I Imperial, 351D |
| Hermes        | CR456                                     | CR456                               | RB486X, RB486Y – RB426-23MX | –              | RB486 X, RB346-23MX RB426-23MX, RB484TY RB486XF | RB484TY, RB486Y, RB346-23MX, RB426-23MX RB480-21MX, CB440Y, RB486XY | RB3160P RB317LX RB346MX                                     |
| Klingspor     | CS612YY, CS610YY                          | CS612YY, CS610YY                    | CS409Y                      | CS411Y         | CS411X  | CS411Y  | CS311X, CS310, CS410  |
| SIA           | –   | –                                   | –                           | –              | –   | 2800, 2803, 2929  | 2903XO, 2905X, 2920X  |
| VSM           | SK840X, SK750X                            | SK840X, SK750X                      | KK815Y, ZK744X              | –              | KK715X  | KK716Y, ZK713X  | KK511X, KK711   |

## MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE

|                            | BEST<br>Highest Productivity. Lowest Total Cost. | BETTER<br>Excellent Blend of Performance & Price. | GOOD<br>Consistent Performance. Low Initial Price. |
|----------------------------|--|---|--|
| Aluminum                   | –  | Norton BlueFire R884P/R823P                       | Norton R766  |
| Cast Iron                  | Norton Blaze R980P                               | Norton BlueFire R823P                             | Norton R766  |
| Brass / Bronze             | –  | Norton BlueFire R884P/R823P                       | Norton R766  |
| Die Castings               | Norton Blaze R980P                               | Norton BlueFire R823P                             | Norton R766  |
| Carbon Steel               | Norton Blaze R980P                               | Norton BlueFire R823P                             | Norton R766  |
| Glass / Ceramics           | Norton Blaze R980P                               | Norton BlueFire R821P                             | Norton R766  |
| Stainless Steel and Alloys | Norton Blaze R980P                               | Norton BlueFire R823P/R887P                       | Norton R766  |
| Wood                       | –  | Norton BlueFire R831/R884P                        | Norton R766  |

## GRIT SELECTION RECOMMENDATION GUIDE

| STOCK REMOVAL | INTERMEDIATE  | FINISHING      |
|---------------|---------------|----------------|
| 24 – 50 grit  | 60 – 100 grit | 120 – 320 grit |



## NORTON BLAZE R980P CERAMIC ALUMINA

**BEST FOR MILD AND CARBON STEEL, STAINLESS, COBALT, CHROME, INCONEL, TITANIUM**

### FEATURES & BENEFITS

- Cooler cutting Norton SG ceramic abrasive grain lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, Inconel and titanium versus aluminum oxide belts
- Cuts 20% faster than the current generation of grinding belts
- Longer belt life, better metal integrity, greater productivity; lowest total grinding costs
- Y-weight polyester waterproof cloth backing provides edge-fray resistance, and offers excellent body retention during use for more consistent grinding throughout belt life
- Durable resin bond system
- Advanced “supersize” grinding lubricant
- Significantly improved belt life due to better grain adhesion
- Cooler cutting during the life of the belt
- Improved part finish and integrity

## NORTON SG R981 CERAMIC ALUMINA

**EXCEPTIONAL PERFORMANCE, ESPECIALLY ON HARD-TO-GRIND ALLOYS**

### FEATURES & BENEFITS

- Norton SG ceramic abrasive provides exceptional life and value, especially on hard-to-grind alloys
- Grinding-aid enhanced for longer life, cooler cut
- Strong Y-weight polyester, waterproof cloth backing for improved grain adhesion, reduced edge-fray and better body retention, resulting in longer life and product consistency

## NORTON BLUEFIRE R884P/R823P ZIRCONIA ALUMINA

**BETTER CHOICE FOR HEAVIEST-PRESSURE APPLICATIONS**

### FEATURES & BENEFITS

- Premium self-sharpening zirconia alumina abrasive provides aggressive, rapid cut rate
- R884P – Durable Y-weight polyester, waterproof cloth backing has excellent grain adhesion, reduced edge-fray and better body retention, resulting in longer life and product consistency
- R823P – Strong X-weight waterproof polyester backing is more flexible than R884P and available in finer grit sizes
- R821P Smooth-running Y-weight cotton backing provides extended durability and even wear on coarser grit stock removal applications

## NORTON R766 ALUMINUM OXIDE

**GOOD CHOICE FOR DIFFICULT-TO-GRIND MATERIALS (ALUMINUM, BRASS, BRONZE, STAINLESS, CARBON STEEL, TITANIUM, ETC.)**

### FEATURES & BENEFITS

- Premium aluminum oxide abrasive blend is ideal when purchasing criteria is a good-performing, economically-priced, general-purpose belt
- Durable resin bond system provides good edge retention and life versus key competitors
- Y-weight waterproof polyester backing withstands light- to moderately-demanding applications and provides extended life on dry grinding applications

## TECH TIP

### Troubleshooting Guide

| Problem  | Correction   |
|----------|--|
| Loading  | Decrease infeed pressure or belt speed   |
| Shedding | Reduce applied pressure<br>Use a less aggressive contact wheel<br>Dress contact wheel if worn or damaged<br>Use entire surface of belt |

| Problem       | Correction  |
|---------------|---|
| Belt breakage | Reduce belt tension<br>Use less aggressive contact wheel<br>Check tracking mechanism for belts tracking erratically |

1" to 6" wide, 36" to 72" long



| TIER:      | BEST               | BETTER                | BETTER                | GOOD                 | GOOD                 |
|------------|--------------------|-----------------------|-----------------------|----------------------|----------------------|
| BRAND:     | Norton             | Norton                | Norton                | Norton               | Norton               |
| TRADENAME: | <b>BLAZE R980P</b> | <b>BLUEFIRE R821P</b> | <b>BLUEFIRE R823P</b> | <b>R766</b>          | <b>METALITE R228</b> |
| ABRASIVE:  | Ceramic Alumina    | Zirconia Alumina      | Zirconia Alumina      | Aluminum Oxide Blend | Aluminum Oxide       |
| BACKING:   | Y-Weight Polyester | Y-Weight Cotton       | X-Weight Polyester    | Y-Weight Polyester   | X-Weight Cotton      |
| OTHER:     | Supersize          |                       |                       |                      |                      |

| SIZE (W x L) | GRIT        | STD. PKG. | PART #      | PART #      | PART #      | PART #      |
|--------------|-------------|-----------|-------------|-------------|-------------|-------------|
| 1 x 42       | 36          | 50        | 66254476825 |             |             | 78072791710 |
|              | 40          | 50        | 69957345887 | 78072726905 |             | 78072720910 |
|              | 50          | 50        | 66254476826 | 78072726904 |             | 78072720905 |
|              | 60          | 50        | 69957345486 | 78072726903 | 78072728596 | 78072720900 |
|              | 80          | 50        | 66261041539 | 78072726902 | 78072728594 | 78072720895 |
|              | 100         | 50        | 66261043462 |             | 78072728592 | 78072720890 |
|              | 120         | 50        | 66261038660 |             | 78072728590 | 78072720885 |
|              | 150         | 50        |             |             | 78072728588 | 78072720880 |
|              | 180         | 50        |             |             | 78072728586 | 78072720875 |
|              | 220         | 50        |             |             | 78072700001 | 78072720871 |
|              | 240         | 50        |             |             |             | 78072720870 |
|              | 320         | 50        |             |             |             | 78072720865 |
|              | 78072721060 |           |             |             |             |             |
| 1-1/2 x 60   | 36          | 10        | 69957345578 |             |             | 78072721060 |
|              | 40          | 10        | 63642595003 |             |             |             |
|              | 50          | 10        | 69957345664 |             |             | 66623390044 |
|              | 60          | 10        | 69957345631 |             |             | 66623390045 |
|              | 80          | 10        | 69957345579 |             |             | 66623390046 |
|              | 100         | 10        |             |             | 78072765077 | 69957351736 |
|              | 120         | 10        | 66261056493 |             | 78072726984 |             |
|              | 180         | 10        |             |             | 78072758464 |             |
|              | 220         | 10        |             |             | 78072708871 |             |
| 2 x 48       | 24          | 10        |             |             |             | 78072726130 |
|              | 36          | 10        | 63642592057 | 78072727103 |             | 78072721255 |
|              | 40          | 10        | 69957345193 | 78072727102 |             | 66623390048 |
|              | 50          | 10        | 69957346716 | 78072727101 |             | 66623390049 |
|              | 60          | 10        | 69957344423 | 78072727100 | 78072728621 | 78072721245 |
|              | 80          | 10        | 69957345100 | 78072727099 | 78072728619 | 66623390050 |
|              | 100         | 10        | 66261052522 |             | 78072728617 | 78072721235 |
|              | 120         | 10        | 66261052520 |             | 78072728615 | 78072721230 |
|              | 150         | 10        |             |             | 78072728613 | 78072721225 |
|              | 180         | 10        |             |             | 78072728611 | 78072723246 |
|              | 220         | 10        |             |             | 78072728609 | 78072721223 |
|              | 320         | 10        |             |             |             | 78072763677 |
|              | 78072746387 |           |             |             |             |             |
| 2 x 60       | 24          | 10        |             |             |             | 66261054787 |
|              | 36          | 10        | 69957345196 |             |             | 66623390052 |
|              | 40          | 10        | 69957394425 | 78072727124 |             | 78072701170 |
|              | 50          | 10        | 69957346149 |             |             | 66623390053 |
|              | 60          | 10        | 69957344901 | 78072727122 |             | 78072721300 |
|              | 80          | 10        | 63642592574 | 78072727121 |             | 66623390054 |
|              | 100         | 10        | 66261052222 |             |             | 66623390055 |
|              | 120         | 10        | 66261042738 |             | 66261082976 | 78072721290 |
|              | 150         | 10        |             |             | 78072761958 | 66623390056 |
|              | 180         | 10        |             |             |             | 78072721285 |
|              | 220         | 10        |             |             | 78072702695 | 78072721280 |
|              | 240         | 10        |             |             | 78072706282 |             |
|              | 320         | 10        |             |             |             | 78072744018 |
| 78072720441  |             |           |             |             |             |             |
| 2 x 72       | 24          | 10        | 66254433969 |             |             | 78072744020 |
|              | 36          | 10        | 69957345460 | 78072727147 |             | 66623390057 |
|              | 40          | 10        | 69957346729 | 78072727146 |             | 78072721335 |
|              | 50          | 10        | 69957344966 | 78072727145 |             | 66623390058 |
|              | 60          | 10        | 69957345157 | 78072727144 | 78072728645 | 78072784894 |
|              | 80          | 10        | 69957344961 | 78072727142 | 78072728643 | 66623390060 |
|              | 100         | 10        | 66261041897 |             | 66261025537 | 78072721325 |
|              | 120         | 10        | 66261044095 |             | 78072728639 | 78072721320 |
|              | 150         | 10        |             |             | 78072761770 | 78072723235 |
|              | 180         | 10        |             |             | 78072763853 | 78072721318 |
|              | 220         | 10        |             |             | 78072728633 | 78072761973 |
|              | 320         | 10        |             |             |             | 78072718488 |
|              | 78072765601 |           |             |             |             |             |
| 78072721308  |             |           |             |             |             |             |

Continued

1" to 6" wide, 36" to 72" long (continued)



|            |                    |                       |                       |                       |                      |                      |
|------------|--------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| TIER:      | <b>BEST</b>        | <b>BETTER</b>         | <b>BETTER</b>         | <b>BETTER</b>         | <b>GOOD</b>          | <b>GOOD</b>          |
| BRAND:     | Norton             | Norton                | Norton                | Norton                | Norton               | Norton               |
| TRADENAME: | <b>BLAZE R980P</b> | <b>BLUEFIRE R821P</b> | <b>BLUEFIRE R823P</b> | <b>BLUEFIRE R884P</b> | <b>R766</b>          | <b>METALITE R228</b> |
| ABRASIVE:  | Ceramic Alumina    | Zirconia Alumina      | Zirconia Alumina      | Zirconia Alumina      | Aluminum Oxide Blend | Aluminum Oxide       |
| BACKING:   | Y-Weight Polyester | Y-Weight Cotton       | X-Weight Polyester    | Y-Weight Polyester    | Y-Weight Polyester   | X-Weight Cotton      |
| OTHER:     | Supersize          |                       |                       |                       |                      |                      |

| SIZE (W x L) | GRIT   | STD. PKG. | PART #      | PART #       | PART #       | PART #      | PART #       |
|--------------|--------|-----------|-------------|--------------|--------------|-------------|--------------|
| 2-1/2 x 48   | 36     | 10        |             |              |              |             | 66623390061  |
|              | 40     | 10        |             |              |              |             | 66623390062  |
|              | 50     | 10        |             | 78072727213  |              |             | 66623390063  |
|              | 60     | 10        |             |              |              |             | 66623390064  |
|              | 80     | 10        |             |              |              |             | 66623390065  |
| 2-1/2 x 60   | 24     | 10        |             |              | 78072737759  |             | 78072708296  |
|              | 36     | 10        | 69957344963 | 78072727235  |              |             | 66623390066  |
|              | 40     | 10        | 69957346523 | 78072727234  |              |             | 66623390067  |
|              | 50     | 10        | 69957345300 | 78072727233  |              |             | 66623390068  |
|              | 60     | 10        | 69957345002 | 78072727232  | 78072728692  | 78072721383 | 66623390069  |
|              | 80     | 10        | 69957346095 | 78072727231  | 78072728690  |             | 66623390070  |
|              | 100    | 10        | 66261041380 |              | 78072726891  |             | 78072721585  |
|              | 120    | 10        |             |              | 78072728686  |             | 78072721580  |
|              | 180    | 10        |             |              | 78072728682  |             | 78072721570  |
|              | 220    | 10        |             |              | 78072778217  |             | 78072721565  |
| 4 x 36       | 36     | 10        |             |              |              |             | 66623390071  |
|              | 40     | 10        |             |              |              |             | 78072722105  |
|              | 50     | 10        |             | 78072727475  |              |             | 66623390073  |
|              | 60     | 10        |             |              | 78072728827  |             | 66623390074  |
|              | 80     | 10        |             | 78072727473  | 78072728825  |             | 78072722095  |
|              | 100    | 10        |             |              | 78072728823  |             | 66623390075  |
|              | 120    | 10        |             |              | 78072728821  |             | 78072722085  |
|              | 150    | 10        |             |              |              |             | 78072722080  |
|              | 180    | 10        |             |              |              |             | 78072722079  |
|              | 240    | 10        |             |              |              |             | 78072722075  |
|              | 320    | 10        |             |              |              |             | 78072722926  |
|              | 4 x 54 | 36        | 10          |              |              |             |              |
| 40           |        | 10        | 63642594113 |              |              |             | 78072722185  |
| 50           |        | 10        | 66254469595 |              |              |             | 66623390077  |
| 60           |        | 10        | 66261063419 | 78072727518  | 78072725116  |             | 78072722180  |
| 80           |        | 10        | 69957345139 |              | 78072782996  |             | 66623390078  |
| 100          |        | 10        |             |              |              |             | 78072722175  |
| 120          |        | 10        | 66261088705 |              | 78072728847  |             | 66623390079  |
| 150          |        | 10        |             |              |              |             | 78072722170  |
| 4 x 60       | 24     | 10        | 66254461488 |              |              |             | 66623390080  |
|              | 36     | 10        | 69957345298 |              |              |             | 78072722165  |
|              | 40     | 10        | 69957391732 |              |              |             | 78072722160  |
|              | 50     | 10        | 69957346715 |              |              |             | 78072722155  |
|              | 60     | 10        | 63642594485 |              | 78072774790  |             | 78072728381  |
|              | 80     | 10        | 69957345099 |              | 78072765086  |             | 780727262536 |
|              | 100    | 10        |             |              |              |             | 78072772342  |
|              | 120    | 10        | 66254416188 |              | 78072766229  |             | 78072705189  |
|              | 150    | 10        |             |              |              |             | 78072744693  |
|              | 180    | 10        |             |              | 78072709820  |             | 78072761630  |
| 4 x 72       | 220    | 10        |             |              | 78072702594  |             | 78072762861  |
|              | 36     | 10        |             |              |              |             | 78072784685  |
|              | 40     | 10        |             |              |              |             | 78072763161  |
|              | 50     | 10        |             |              |              |             | 78072787840  |
| 6 x 48       | 60     | 10        |             |              |              |             | 78072704878  |
|              | 80     | 10        |             |              |              |             | 78072728393  |
|              | 100    | 10        |             |              |              |             | 78072790168  |
|              | 120    | 10        |             |              |              |             |              |
|              | 150    | 10        |             |              |              |             |              |
|              | 180    | 10        |             |              |              |             |              |
|              | 220    | 10        |             |              |              |             |              |
|              | 240    | 10        |             |              |              |             |              |
|              | 320    | 10        |             |              |              |             |              |
|              | 36     | 10        | 69957345143 | 78072727698  |              |             |              |
|              | 40     | 10        |             | 78072727697  |              |             |              |
|              | 50     | 10        |             | 78072727696  |              |             |              |
|              | 60     | 10        | 69957344422 | 78072727695* | 78072728937* |             |              |
|              | 80     | 10        |             | 78072727694* | 78072728935* |             |              |
|              | 100    | 10        |             |              | 78072728933* |             |              |
|              | 120    | 10        |             |              | 78072728931* |             |              |
| 150          | 10     |           |             | 78072770042  |              |             |              |
| 180          | 10     |           |             |              |              |             |              |
| 220          | 10     |           |             |              |              |             |              |
| 240          | 10     |           |             |              |              |             |              |
| 320          | 10     |           |             |              |              |             |              |

\* Std. Pkg. = 20 Belts  
CONTINUED

1" to 6" wide, 36" to 72" long (continued)



|            |                    |                       |                       |                       |                      |                      |
|------------|--------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| TIER:      | <b>BEST</b>        | <b>BETTER</b>         | <b>BETTER</b>         | <b>BETTER</b>         | <b>GOOD</b>          | <b>GOOD</b>          |
| BRAND:     | Norton             | Norton                | Norton                | Norton                | Norton               | Norton               |
| TRADENAME: | <b>BLAZE R980P</b> | <b>BLUEFIRE R821P</b> | <b>BLUEFIRE R823P</b> | <b>BLUEFIRE R884P</b> | <b>R766</b>          | <b>METALITE R228</b> |
| ABRASIVE:  | Ceramic Alumina    | Zirconia Alumina      | Zirconia Alumina      | Zirconia Alumina      | Aluminum Oxide Blend | Aluminum Oxide       |
| BACKING:   | Y-Weight Polyester | Y-Weight Cotton       | X-Weight Polyester    | Y-Weight Polyester    | Y-Weight Polyester   | X-Weight Cotton      |
| OTHER:     | Supersize          |                       |                       |                       |                      |                      |

| SIZE (W x L) | GRIT | STD. PKG. | PART #      | PART #       | PART #      | PART #      | PART #       |
|--------------|------|-----------|-------------|--------------|-------------|-------------|--------------|
| 6 x 54       | 60   | 10        |             |              | 78072746982 |             |              |
| 6 x 60       | 36   | 10        |             |              |             | 66623343751 | 78072722680  |
|              | 40   | 10        |             | 78072727762  |             | 66623390086 | 78072722679  |
|              | 60   | 10        | 69957345149 | 78072728957* |             | 66623390087 | 78072722665* |
|              | 80   | 10        |             |              | 78072728955 | 66623390088 | 78072722660* |
|              | 100  | 10        | 66254477452 |              |             |             |              |
|              | 120  | 10        |             |              |             |             | 78072763882  |

\* Std. Pkg. = 20 Belts

## Belt Cleaning Stick



- This solid, rubber cleaning stick is designed to remove wood and other non-metallic materials that build up on belt surface during use.
- Apply it to the face of the belt, while running, to remove unwanted materials and prolong the overall life of the belt up to 10 times.

| DESCRIPTION       | STD. PKG. | PART #      |
|-------------------|-----------|-------------|
| 1-3/8 x 1-3/8 x 6 | 10        | 07660701717 |

## TIP

A light-bodied grease applied to a benchstand belt surface will reduce loading and greatly enhance the belt life and performance when grinding soft, malleable nonferrous materials such as aluminum, brass, bronze and copper.

## FastTrack Belt Service



For non-stock belts, FastTrack Service offers all the benefits of an ISO 9001 quality manufacturer and the advantages of a coated abrasives express belt service. As the industry's leading producer of abrasive material and backings, our FastTrack service offers an extensive range of Norton made-to-order belts including Norton Blaze ceramic alumina, BlueFire zirconia alumina, and versatile aluminum oxide and silicon carbide belts.

Manufacturing Lead-times:

- Narrow belts: (1/2" – 12" wide) two days
- Wide belts (14" – 52" wide) three days

Size Availability:

- Maximum width: 52"
- 1/2" and greater widths; 25" and greater lengths

Please see the FastTrack Service Made-to-Order Belts section of this catalog for complete details.



2" to 10" wide, over 70" long



|            |                    |                    |                       |                       |                      |                      |
|------------|--------------------|--------------------|-----------------------|-----------------------|----------------------|----------------------|
| TIER:      | <b>BEST</b>        | <b>BEST</b>        | <b>BETTER</b>         | <b>BETTER</b>         | <b>GOOD</b>          | <b>GOOD</b>          |
| BRAND:     | Norton             | Norton             | Norton                | Norton                | Norton               | Norton               |
| TRADENAME: | <b>BLAZE R980P</b> | <b>SG R981</b>     | <b>BLUEFIRE R884P</b> | <b>BLUEFIRE R823P</b> | <b>R766</b>          | <b>METALITE R228</b> |
| ABRASIVE:  | Ceramic Alumina    | Ceramic Alumina    | Zirconia Alumina      | Zirconia Alumina      | Aluminum Oxide Blend | Aluminum Oxide       |
| BACKING:   | Y-Weight Polyester | Y-Weight Polyester | Y-Weight Polyester    | X-Weight Polyester    | Y-Weight Polyester   | X-Weight Cotton      |
| OTHER:     | Supersize          | Supersize          |                       |                       |                      |                      |

| SIZE (W x L) | GRIT | STD. PKG. | PART #      | PART #      | PART #         | PART #      | PART #      |
|--------------|------|-----------|-------------|-------------|----------------|-------------|-------------|
| 2 x 132      | 36   | 10        |             | 78072753086 | 78072750016    |             | 66623347337 |
|              | 40   | 10        |             |             | 78072750015    |             | 66623390089 |
|              | 50   | 10        |             | 78072740771 | 78072750013    |             | 66623390090 |
|              | 60   | 10        |             |             | 78072750011    |             | 66623390091 |
|              | 80   | 10        |             | 78072701958 | 78072750008    |             | 66623390092 |
|              | 120  | 10        |             |             |                | 78072728662 |             |
| 3 x 79       | 50   | 10        | 66261090276 |             |                |             |             |
|              | 60   | 10        |             |             | 78072748280    |             |             |
| 3 x 90       | 36   | 10        | 69957346319 |             |                |             | 78072785831 |
| 3 x 132      | 24   | 10        |             |             | 78072750140    |             |             |
|              | 36   | 10        | 69957344710 | 78072753087 | 78072750138 RR |             | 66623390093 |
|              | 36   | 10        |             |             | 78072750139 L  |             | 78072721900 |
|              | 40   | 10        | 69957344964 | 78072701614 |                |             |             |
|              | 50   | 10        | 69957344763 | 78072703709 | 78072750135    |             | 78072721890 |
|              | 60   | 10        | 69957344958 |             |                | 78072728794 | 66623390096 |
|              | 80   | 10        | 69957344764 |             |                | 78072728792 | 66623390097 |
|              | 100  | 10        |             |             |                | 78072728790 |             |
|              | 120  | 10        |             |             |                | 78072728789 |             |
|              | 150  | 10        |             |             |                |             |             |
| 4 x 79       | 36   | 10        |             | 66261022622 |                |             |             |
|              | 40   | 10        |             |             | 78072774955    |             |             |
|              | 80   | 10        |             |             | 78072731327    |             |             |
|              |      |           |             |             | 78072768679    |             |             |
| 4 x 100      | 36   | 10        |             |             | 78072750289    |             |             |
| 4 x 132      | 24   | 10        |             |             |                |             |             |
|              | 36   | 10        | 69957343852 | 78072739662 | 78072750287    |             | 66623326093 |
|              | 40   | 10        |             |             |                |             | 66623390098 |
|              | 60   | 10        |             |             | 78072750281    |             | 66623335394 |
|              | 80   | 10        |             |             | 78072750279    |             | 66623343488 |
|              | 120  | 10        |             |             |                |             |             |
| 6 x 78-3/4   | 40   | 10        |             |             | 78072725150    |             |             |
| 6 x 79       | 36   | 10        |             |             | 78072738105    |             |             |
|              | 40   | 10        |             |             |                |             |             |
|              | 80   | 10        |             |             | 78072779322    |             |             |
| 8 x 107      | 36   | 10        |             |             |                |             | 66623390099 |
|              | 50   | 10        |             |             |                |             | 66623390100 |
|              | 60   | 10        |             |             |                |             | 66623347341 |
|              | 80   | 10        |             |             |                |             | 66623329182 |
|              | 100  | 10        |             |             |                |             |             |
| 10 x 70-1/2  | 36   | 10        |             |             |                |             | 66623347342 |
|              | 40   | 10        |             |             |                |             | 66623347343 |
|              | 50   | 10        |             |             |                |             | 66623347344 |
|              | 60   | 10        |             |             |                |             | 66623347345 |
|              | 80   | 10        |             |             |                |             | 66623347346 |

A small selection of stock products in popular sizes are available for wide belt woodworking and metalworking applications.

Applications: Metalworking wide belts are used for plate dimensioning, slag grinding, machining, deburring, and other general metalworking applications. They are usually cloth and are closed coat.

Cloth woodworking wide belts are used for rough stock removal and dimensioning  
Paper woodworking belts are used to upgrade the finish on furniture and other wood components.

Size Range: Stock: 25" – 52" wide, 48" to 103" long

Grit Range: Stock: 36 – 220

Abrasive Grain: Zirconia Alumina, Aluminum Oxide

Availability: Due to the wide varieties of machines and applications, the majority of wide belts are non-stock. Our FastTrack belt service is available on the majority of products with 3-day lead-time on orders up to two cases quantity.

**METALWORKING CLOTH BELT RECOMMENDATION GUIDE/CROSS REFERENCE**

|               |                    | TOTAL PERFORMANCE                                 |                 |  |                 | INITIAL PRICE  |                 |                 |              |
|---------------|--------------------|---|-----------------|--|-----------------|--|-----------------|-----------------|--------------|
|               |                    | BEST<br>Highest Productivity<br>Lowest Total Cost |                 | BETTER<br>Excellent Blend of Performance & Price |                 | GOOD<br>Consistent Performance;<br>Low Initial Price |                 |                 |              |
|               |                    | H-wt. Polyester                                   | Y-wt. Polyester | H-wt. Polyester                                  | Y-wt. Polyester | X-wt. Polyester                                      | Y-wt. Polyester | X-wt. Polyester | X-wt. Cotton |
| <b>NORTON</b> | Blaze              | Blaze   |                 | BlueFire   | BlueFire        | BlueFire   | Metalite        | Metalite        | Metalite     |
|               | R940P              | R980P   |                 | R840P  | R887P/R884P     | R823P  | R247            | R249            | R228         |
| <b>MERIT</b>  |                    | SY965   |                 |  | SY695           | SX695  | SY395           | SX395           | KX375        |
| 3M            | 963G,H             | 977F, 967F  |                 |  | 577F, 777F      |  | 361F            | 353F            | 241D, 341D   |
| Ekamant       |                    |   |                 |  | UZA0X           | UZA0X  | UA0X            | UA0X            | MKX, RKX     |
| Hermes        | CB441Z             | CR456   |                 | SB488Y OP  | RB484TY         | RB486  | RB376TY         | RB376TY         | RB346MX      |
| Klingspor     |                    | CS610YY   |                 | CS414YY  | CS411Y          | CS411Y   | CS412Y          | CS412Y          | CS310X       |
| SIA           |                    |   |                 | C888 DP  | 2800, 2803      |  | 2982            |                 | 2920, 2912   |
| VSM           | SK770X,<br>SK847Y, | SK840X  |                 | KK717Y   | KK716Y          | KK715X   | KK711Y          | KK711X          | KK511X       |

**WOODWORKING CLOTH BELT RECOMMENDATION GUIDE/CROSS REFERENCE**

|               |           | TOTAL PERFORMANCE                                  |             |  |                    | INITIAL PRICE  |             |             |
|---------------|-----------|--|-------------|--|--------------------|--|-------------|-------------|
|               |           | BEST<br>Highest Productivity;<br>Lowest Total Cost |             | BETTER<br>Excellent Blend of Performance & Price |                    | GOOD<br>Consistent Performance;<br>Low Initial Price |             |             |
|               |           | Y-wt. Cotton                                       | F-wt. Paper | Y-wt. Cotton                                     | Y-wt. Cotton       | X-wt. Cotton   | F-wt. Paper | F-wt. Paper |
|               |           | Dust-Less  | Dust-Less   |  | Dust-Less          |  | Dust-Less   | Dust-Less   |
| <b>NORTON</b> | Norton SG | Norton SG  |             | Bluefire   | Metalite           | Metalite   |             |             |
|               | R963      | H975   |             | R831   | R216               | R215   | H295        | H275        |
| <b>MERIT</b>  |           |  |             | KY685  |                    | KX395  | P55F        | P55FOP      |
| 3M            | 970DZ     | 961UZ  |             | 777F   | 240D, 248D, 370DZ  | 240DZ, 340D  | 260UZ       | 241         |
| Ekamant       |           |  |             |  |                    | PKX, RKX   |             | PKFO, APKFO |
| Hermes        |           | CB115  |             | RB484TY, RB346MX                                 | RB316YOP, RB372YOP | RB316XOP   | BW112       | BW114       |
| Klingspor     |           |  |             | CS414Y, SMT624                                   | CS412, CS311Y      | CS3110C  | PS26        | PS20        |
| SIA           | 2829      | 1919   |             | 2803, 2820, 2829                                 | 2918, 2920, 2928   | 2928, 2920   | 1919FO      | 1939        |
| VSM           |           |  |             | KK716X   | KK711Y, KK524Y     | KK504X   | KK508E      | KP709       |

## NORTON BLUEFIRE R884P/R831/R823P Z/A CLOTH

BETTER CHOICE FOR ALL METAL AND WOOD APPLICATIONS DUE TO THE CUT RATE AND LIFE OF THE PROPRIETARY NORTON BLUEFIRE GRAIN

### FEATURES

- Newest generation, patented self-sharpening zirconia alumina abrasive
- R884P – Durable Y-weight polyester, waterproof cloth backing
- R823P – Strong X-weight polyester, waterproof cloth backing
- R831 – Y-weight cotton cloth backing

### BENEFITS

- Aggressive cut and 30% longer life than competitive zirconia alumina
- Long life on high-pressure, dry or wet, heavy-duty metal applications
- Moderate flexibility, dry or wet, fine grit applications
- Durable open coat cotton belt designed for excellent stock removal on wood with minimal loading

## NORTON METALITE R215 ALUMINUM OXIDE CLOTH

GOOD CHOICE FOR ABRASIVE PLANING AND DIMENSIONING OF GLUED-UP STOCK AND BANDED PARTICLEBOARD

### FEATURES

- Strong X-weight cotton backing
- Open coat design

### BENEFITS

- Aggressive cutting, resistant to heat
- Resists loading
- Value product for wood and soft metals

## TECH TIP

36" wide belts can be used on machines that normally use 37" wide belts.

## FastTrack Belt Service



For non-stock belts, FastTrack Service offers all the benefits of an ISO 9001 quality manufacturer and the advantages of a coated abrasives express belt service. As the industry's leading producer of abrasive material and backings, our FastTrack service offers an extensive range of Norton made-to-order belts including Norton Blaze ceramic alumina, BlueFire zirconia alumina, and versatile aluminum oxide and silicon carbide belts.

### Manufacturing Lead-times:

- Narrow belts: (1/2" – 12" wide) two days
- Wide belts (14" – 52" wide) three days

### Size Availability:

- Maximum width: 52"
- 1/2" and greater widths; 25" and greater lengths

Please see the FastTrack Service Made-to-Order Belts section of this catalog for complete details.



|             |                          |                          |                       |                       |
|-------------|--------------------------|--------------------------|-----------------------|-----------------------|
| TIER:       | <b>BETTER</b>            | <b>BETTER</b>            | <b>BETTER</b>         | <b>GOOD</b>           |
| BRAND:      | Norton                   | Norton                   | Norton                | Norton                |
| TRADENAME:: | <b>BLUEFIRE R884P</b>    | <b>BLUEFIRE R823P</b>    | <b>BLUEFIRE R831</b>  | <b>METALITE R215</b>  |
| ABRASIVE:   | Zirconia Alumina         | Zirconia Alumina         | Zirconia Alumina      | Aluminum Oxide        |
| BACKING:    | Y-Weight Polyester Cloth | X-Weight Polyester Cloth | Y-Weight Cotton Cloth | X-Weight Cotton Cloth |
| JOINT/FLEX: | Plyweld, RR              | Plyweld, RR              | Plyweld, RR           | Plyweld, RR           |

| SIZE (W x L) | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      |
|--------------|------|-----------|-------------|-------------|-------------|-------------|
| 25 x 48      | 80   | 3         |             | 69957344781 |             |             |
| 25 x 60      | 80   | 3         |             | 69957328117 |             |             |
|              | 120  | 5         |             | 69957328115 |             |             |
| 25 x 75      | 120  | 5         |             | 69957344791 |             |             |
| 36 x 75      | 36   | 2         | 69957350934 |             |             |             |
|              | 60   | 3         | 69957350931 |             |             |             |
|              | 120  | 5         |             | 69957329014 |             |             |
| 37 x 60      | 180  | 5         |             | 69957344869 |             |             |
|              | 50   | 3         | 69957306219 |             |             |             |
|              | 80   | 3         |             | 69957329019 |             | 69957325709 |
|              | 100  | 5         |             | 69957328103 |             | 69957325708 |
| 37 x 75      | 120  | 5         |             | 69957329018 |             | 69957325707 |
|              | 150  | 5         |             | 69957328102 |             | 69957302955 |
|              | 180  | 5         |             | 69957328101 |             |             |
|              | 220  | 5         |             | 69957328100 |             |             |
|              | 36   | 2         | 69957350959 |             |             | 69957325957 |
|              | 50   | 3         | 69957305107 |             |             | 69957323880 |
| 37 x 75      | 80   | 3         | 69957350955 |             |             | 69957325760 |
|              | 100  | 5         |             |             |             | 69957305737 |
|              | 120  | 5         |             | 69957307358 |             |             |
|              | 150  | 5         |             |             |             |             |
| 50 x 103     | 180  | 5         |             | 69957306734 |             |             |
|              | 80   | 3         |             |             | 69957328383 |             |
| 52 x 75      | 120  | 5         |             | 69957313510 |             |             |





# FASTTRACK SERVICE MADE-TO-ORDER BELTS

For many non-stock belts, our FastTrack belt service offers all the benefits of an ISO 9001 quality manufacturer and the advantages of a coated abrasives express belt service. As the industry leader of abrasive belts, our FastTrack belt service has an extensive range of Norton made-to-order belts including Norton Blaze ceramic alumina, BlueFire zirconia alumina, versatile aluminum oxide, and silicon carbide belts.

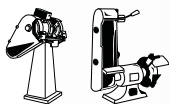
**Manufacturing Lead-times:**

- Narrow belts (1/2" – 12" wide): two days
- Wide belts (14" – 52" wide): three days

**Size Availability:**

- Maximum width: 52"
- 1/2" and greater widths; 25" and greater lengths

Please see the FastTrack belt service chart below and product listing on the next page for complete details.



## FASTTRACK AVAILABILITY AND LEAD-TIME INFORMATION

| WIDTH                | GRIT SIZE    | MINIMUM ORDER QUANTITY | CASE QUANTITY | MAXIMUM ORDER QUANTITY (EQUALS 2 CASES) | CONVERSION LEAD-TIMES |
|----------------------|--------------|------------------------|---------------|---|-----------------------|
| <b>Narrow Belts</b>  |              |                        |               |   |                       |
| 1/2" through 1"      | All          | 50                     | 200           | 400                                     | 2                     |
| Over 1" through 5"   | All          | 10                     | 50            | 100                                     | 2                     |
| Over 5" through 9"   | All          | 10                     | 20            | 40                                      | 2                     |
| Over 9" through 14"  | All          | 10                     | 10            | 20                                      | 2                     |
| <b>Wide Belts</b>    |              |                        |               |   |                       |
| Over 14" through 20" | All          | 5                      | 10            | 20                                      | 3                     |
| Over 20" through 52" | 36 & coarser | 2                      | 2             | 4                                       | 3                     |
| Over 20" through 52" | 40-80        | 3                      | 3             | 6                                       | 3                     |
| Over 20" through 52" | 100 & finer  | 5                      | 5             | 10                                      | 3                     |

## HOW TO PLACE A FASTTRACK BELT ORDER

- Check the FastTrack belt availability
- Include a full description of belt: quantity, size, Norton CAP code, and grit size
- Send order electronically, fax, or phone to customer service
- When ordering a belt that does not have an existing part number, please call Customer Service to expedite part number creation



# FASTTRACK SERVICE MADE-TO-ORDER BELTS

## BELT SPECIFICATIONS AND AVAILABILITY

NEW

| TIER                | PRODUCT CAP CODE | SHAPE AVAILABILITY  | GRIT SIZE                    | ABRASIVE GRAIN                   | BACKING           | APPLICATIONS   |
|---------------------|------------------|---------------------|------------------------------|----------------------------------|-------------------|--|
| <b>Metalworking</b> |                  |                     |                              |                                  |                   |  |
| <b>Norton</b>       |                  |                     |                              |                                  |                   |  |
| Best                | R980P            | Narrow, Wide        | 24-120                       | Norton Blaze Ceramic Alumina     | Y-wt. Polyester   | Latest-generation Norton SG grain, supersized and designed for high-performance grinding on stainless and other alloys   |
| Best                | R984             | Narrow, Wide        | 36-120                       | Norton SG Ceramic Alumina        | Y-wt. Polyester   | Norton SG grain for medium-pressure grinding and finishing heat-sensitive alloys   |
| Best                | R983             | Narrow              | P36-P120                     | Norton Red Heat Ceramic Alumina  | Y-wt. Plus        | P-graded ceramic alumina abrasive with lubricating supersize coat; engineered for maximum productivity on mild carbon steel, ferrous metal, and cast iron applications |
| Better              | R884P            | Narrow, Wide        | 24, 36-80                    | Norton BlueFire Zirconia Alumina | Y-wt. Polyester   | High-performance zirconia alumina grain designed for medium- to high-pressure grinding   |
| Better              | R887D            | Narrow, Wide        | 24, 36-120                   | Norton BlueFire Zirconia Alumina | Y-wt. Polyester   | High-performance zirconia alumina grain, supersized and designed for medium- to high-pressure grinding of heat-sensitive alloys  |
| Better              | R823P            | Narrow, Wide        | 60-220                       | Norton BlueFire Zirconia Alumina | X-wt. Polyester   | High-performance zirconia alumina grain on lighter backing designed for light to medium grinding   |
| Good                | R766             | Narrow              | P24-80                       | Aluminum Oxide Blend             | Y-wt. Polyester   | Premium aluminum oxide blend product designed for a variety of applications including soft metals to hard-to-grind stainless and carbon steel                          |
| Good                | R766X            | Narrow, Wide        | P60-P400                     | Aluminum Oxide Blend             | X-wt. Polyester   | Quality, P-graded aluminum oxide and broad grit range for stock removal to finer finishing   |
| Good                | MX240            | Narrow, Wide        | P60-P150                     | Aluminum Oxide                   | X-wt. Poly/Cotton | P-graded, heat-treated aluminum oxide X-weight cloth with strong, but flexible, cotton/polyester backing making it an ideal multi-purpose product                      |
| Good                | R245             | Narrow              | P80-P240, P320, P400         | Aluminum Oxide                   | J-wt. Polyester   | Aluminum oxide on flexible, lightweight polyester backing for moderate- to light- pressure applications on mild steel  |
| Good                | KF376            | Narrow              | P80-P320, P400, P600         | Aluminum Oxide                   | J-wt. Cotton      | P-graded, heat-treated aluminum oxide with ceramic coating on a very flexible backing for use wherever flexibility and conformability are needed                       |
| Good                | R445             | Narrow              | 60-220                       | Silicon Carbide                  | X-wt. Polyester   | Sharp, silicon carbide grain on medium polyester backing for grinding very hard materials – glass, stone, solid surface  |
| Good                | U243             | Narrow, Wide to 24" | X80, X65, X45, X30, X22, X16 | NORaX Aluminum Oxide             | J-wt. Cotton      | High-performance, multi-layered NORaX grain on very flexible backing for dry polishing applications  |

| TIER               | PRODUCT CAP CODE | SHAPE AVAILABILITY | GRIT SIZE          | ABRASIVE GRAIN                   | BACKING         | APPLICATIONS  |
|--------------------|------------------|--------------------|--------------------|----------------------------------|-----------------|---|
| <b>Woodworking</b> |                  |                    |                    |                                  |                 |   |
| <b>Norton</b>      |                  |                    |                    |                                  |                 |   |
| Best               | R963             | Narrow, Wide       | 24-60, P80-100-150 | Norton SG Ceramic Alumina        | Y-wt. Polyester | Norton SG ceramic alumina grain with anti-static coating for forest product applications (MDF, particleboard, plywood)                              |
| Best               | R955             | Narrow             | P36-P120           | Norton Red Heat Ceramic Alumina  | Y-wt. Cotton    | 100% ceramic alumina abrasive with Y-weight cloth backing for dimensioning, intermediate sanding of wood  |
| Better             | R831             | Narrow, Wide       | 24, 36-120         | Norton BlueFire Zirconia Alumina | Y-wt. Cotton    | Norton BlueFire open-coat product recommended for dry low-pressure applications or where loading is a problem                                       |
| Good               | R215             | Narrow, Wide       | 50-180             | Aluminum Oxide                   | X-wt. Cotton    | Initial starting specification for woodworking applications where loading is a problem, and initial cost a primary concern                          |
| Good               | R490             | Narrow, Wide       | P36-P150           | Silicon Carbide                  | Y-wt. Polyester | Anti-static product for forest product applications (MDF, particle board, plywood) where loading is an issue  |
| Good               | R422             | Narrow             | 50-120             | Silicon Carbide                  | X-wt. Cotton    | Initial starting specification for woodworking applications where loading is not an issue   |
| Best               | H975             | Narrow, Wide       | 60-220             | Norton Red Heat Ceramic Alumina  | F-wt. Paper     | Ceramic alumina grain, antistatic coating, and open coat; the best choice for applications where loading is a problem (soft woods, etc.)            |
| Better             | H831             | Narrow, Wide       | 24,36-120          | Norton BlueFire Zirconia Alumina | F-wt. Paper     | Durable zirconia alumina grain, antistatic coating, and open coat: the better choice for applications where loading is a problem (soft woods, etc.) |
| Good               | H275B            | Narrow, Wide       | P60-P220           | Aluminum Oxide                   | F-wt. Paper     | Quality aluminum oxide grain, antistatic coating, and open coat make these an economical choice for all heavy-weight paper belt jobs                |
| Better             | H475             | Narrow, Wide       | P120-P400          | Norton Onyx Silicon Carbide      | F-wt. Paper     | Sharp silicon carbide and antistatic coating create finer finishes on hard materials and veneers where finish is critical                           |

Flap wheels are an ideal choice for a wide variety of blending, deburring and finishing applications common in the metal fabrication, welding and polishing industries. Flap wheels are conformable to intricate shapes and contours. Designed to deliver a consistent finish with a uniform rate of cut, flap wheels wear away, continually exposing fresh abrasives.

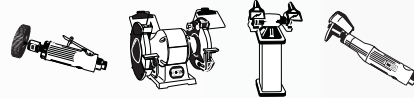
**Applications:** Used for a wide range of metal fabrication and welding applications including stock removal, blending, deburring, cleaning, finishing, and polishing

**Size Range:** Flap wheels with mounted steel shanks: 3/8" - 3" diameter  
Flap wheels with mounted 1/4"-20 thread: 1" - 3" diameter  
Flap wheels with arbor holes: 3" - 16" diameter

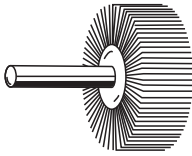


**Grit Range:** 40 - 320

**Abrasive Grain:** Ceramic Alumina, Aluminum Oxide Blend, Aluminum Oxide

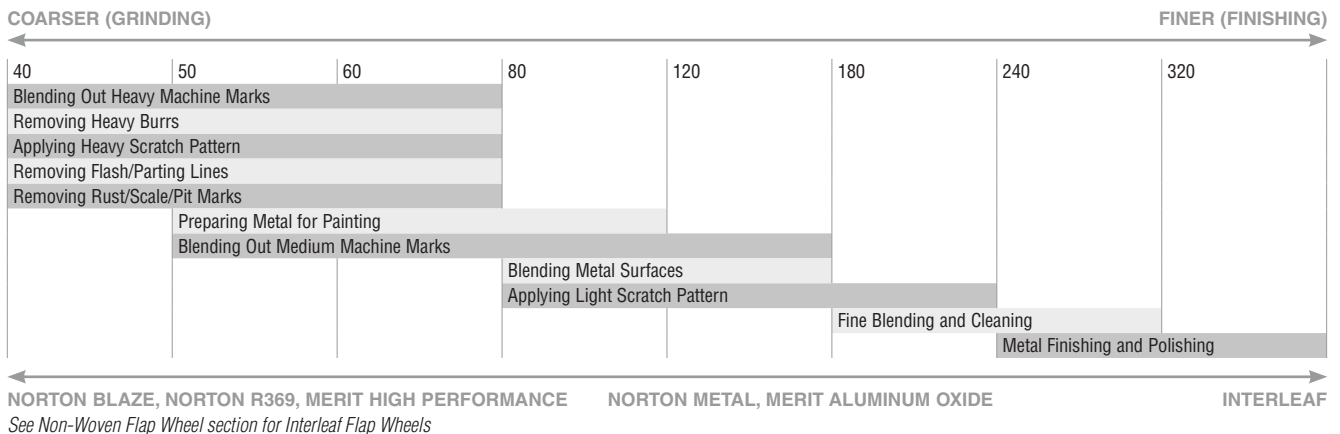
**Machine Used:**



**SHAPE RECOMMENDATION GUIDE**

| Shape   | Description/Application  |
|---|--|
|    | <p><b>Flap Wheels with Mounted Steel Shanks</b></p> <p>Wheels are designed with a 1/8" or 1/4" steel shank as an integral part of each wheel. These shanks run through the wheel creating better balance, a reduction of chatter, and reduced operator fatigue. They also permit quick changes on air tools when using other abrasive products.</p>            |
|   | <p><b>Flap Wheels with Mounted 1/4-20 Thread</b></p> <p>Wheels are designed with a 1/4"-20 thread and flange as an integral part of the wheel. These threads facilitate the quickest changes on air tools using flap wheels exclusively, as there are no special tools needed to change the flap wheel. Also allow extended reach with accessory mandrels.</p> |
|  | <p><b>Flap Wheels with Arbor Holes</b></p> <p>For use on larger portable and fixed-base tools where the wheel must fit on an existing arbor.</p>   |

**APPLICATION/GRIT RECOMMENDATION GUIDE**





## NORTON BLAZE R920 CERAMIC ALUMINA

**BEST CHOICE FOR HARD-TO-GRIND MATERIALS, INCLUDING SUPERALLOYS (COBALT, INCONEL, AND TITANIUM) AND STAINLESS STEEL**

### FEATURES & BENEFITS

- See significantly faster, coolest, burn-free grinding on the toughest jobs from our next-generation of sharp, ceramic abrasive grains and advanced grinding aid lubricant

## NORTON R369 ALUMINUM OXIDE

**BETTER CHOICE FOR STAINLESS AND CARBON STEEL, AND ALUMINUM, BRASS AND BRONZE**

### FEATURES & BENEFITS

- Cut cooler and smoother, with our versatile, P-graded premium aluminum oxide blend, durable resin bond system, and heavy cotton backing

## MERIT HIGH PERFORMANCE ALUMINUM OXIDE BLEND

**BETTER CHOICE FOR MORE DURABLE FLAP WHEEL APPLICATIONS WHERE AGGRESSIVE CUT AND SUPERIOR LIFE ARE REQUIRED**

### FEATURES

- Long-lasting aluminum oxide abrasive grain blend
- Heavy cotton backing

### BENEFITS

- Aggressive cut and 2 to 3 times longer life
- Extended durability for added life and reduced edge wear

## NORTON METAL R207 ALUMINUM OXIDE

**GOOD CHOICE WHEN INITIAL PRICE IS A KEY PURCHASING CRITERIA**

### FEATURES & BENEFITS

- Our solid-performance aluminum oxide grain makes these flap wheels a good starting specification with consistent performance for small jobs or anywhere performance need not be measured

## MERIT ALUMINUM OXIDE

**GOOD CHOICE WHEN INITIAL PRICE IS THE MAIN CONSIDERATION**

### FEATURES

- Quality aluminum oxide abrasive
- Engineered, low-cost cotton backing
- Low initial price point

### BENEFITS

- Good cut rate and life
- Longer life and wear resistance
- Best starting specification for end-user unable to measure total performance





**Micro-Mini Flap Wheels with 1/8" Mounted Steel Shanks**

- The smallest flap wheels, ranging from 3/8" to 1-3/16" diameter, mounted on a 1/8" diameter steel shank
- Provide fast polishing and light deburring of internal workpieces with holes or grooves as small as 1/2"



|            |                              |                        |
|------------|------------------------------|------------------------|
| TIER:      | <b>BETTER</b>                | <b>GOOD</b>            |
| BRAND:     | Norton                       | Merit                  |
| TRADENAME: | <b>R369</b>                  | <b>ALUMINIUM OXIDE</b> |
| ABRASIVE:  | Premium Aluminum Oxide Blend | Aluminum Oxide         |
| OTHER:     | P-graded                     |                        |



|            |                              |                        |
|------------|------------------------------|------------------------|
| TIER:      | <b>BETTER</b>                | <b>GOOD</b>            |
| BRAND:     | Norton                       | Merit                  |
| TRADENAME: | <b>R369</b>                  | <b>ALUMINIUM OXIDE</b> |
| ABRASIVE:  | Premium Aluminum Oxide Blend | Aluminum Oxide         |
| OTHER:     | P-graded                     |                        |

| SIZE (D x W x SK.) | GRIT             | MAX. RPM | STD. PKG. | PART #      | PART #      |
|--------------------|------------------|----------|-----------|-------------|-------------|
| 3/8 x 3/8 x 1/8    | 60               | 40,000   | 10        | 66623399223 | 08834137470 |
|                    | 80               | 40,000   | 10        | 66623399224 | 08834137471 |
|                    | 120              | 40,000   | 10        | 66623399225 | 08834137472 |
|                    | 180              | 40,000   | 10        |             | 08834137473 |
|                    | 240              | 40,000   | 10        |             | 08834137474 |
|                    | 320              | 40,000   | 10        | 66623399228 | 08834137475 |
| 5/8 x 5/8 x 1/8    | 60               | 37,000   | 10        | 66623399229 | 08834137480 |
|                    | 80               | 37,000   | 10        | 66623399230 | 08834137481 |
|                    | 120              | 37,000   | 10        | 66623399231 | 08834137482 |
|                    | 180              | 37,000   | 10        |             | 08834137483 |
|                    | 240              | 37,000   | 10        |             | 08834137484 |
|                    | 320              | 37,000   | 10        |             | 08834137485 |
| 5/8 x 3/4 x 1/8    | 80               | 37,000   | 10        | 66623399232 | 08834137541 |
|                    | 120              | 37,000   | 10        |             | 08834137542 |
|                    | 180              | 37,000   | 10        |             | 08834137543 |
|                    | 240              | 37,000   | 10        |             | 08834137544 |
|                    | 320              | 37,000   | 10        |             | 08834137545 |
|                    | 3/4 x 3/16 x 1/8 | 60       | 35,000    | 10          |             |
| 80                 |                  | 35,000   | 10        |             | 08834137551 |
| 120                |                  | 35,000   | 10        |             | 08834137552 |
| 180                |                  | 35,000   | 10        |             | 08834137553 |
| 240                |                  | 35,000   | 10        |             | 08834137554 |
| 320                |                  | 35,000   | 10        |             | 08834137555 |
| 3/4 x 3/8 x 1/8    | 60               | 35,000   | 10        | 66623399234 | 08834137560 |
|                    | 80               | 35,000   | 10        | 66623399235 | 08834137561 |
|                    | 120              | 35,000   | 10        | 66623399236 | 08834137562 |
|                    | 180              | 35,000   | 10        |             | 08834137563 |
|                    | 240              | 35,000   | 10        |             | 08834137564 |
|                    | 320              | 35,000   | 10        |             | 08834137565 |
| 3/4 x 1/2 x 1/8    | 60               | 35,000   | 10        |             | 08834137570 |
|                    | 80               | 35,000   | 10        |             | 08834137571 |
|                    | 120              | 35,000   | 10        |             | 08834137572 |
|                    | 180              | 35,000   | 10        |             | 08834137573 |
|                    | 240              | 35,000   | 10        |             | 08834137574 |
|                    | 320              | 35,000   | 10        |             | 08834137575 |

| SIZE (D x W x SK.)  | GRIT               | MAX. RPM | STD. PKG. | PART #      |             |
|---------------------|--------------------|----------|-----------|-------------|-------------|
| 3/4 x 5/8 x 1/8     | 60                 | 35,000   | 10        | 08834137580 |             |
|                     | 80                 | 35,000   | 10        | 08834137581 |             |
|                     | 120                | 35,000   | 10        | 08834137582 |             |
|                     | 180                | 35,000   | 10        | 08834137583 |             |
|                     | 240                | 35,000   | 10        | 08834137584 |             |
|                     | 320                | 35,000   | 10        | 08834137585 |             |
| 3/4 x 3/4 x 1/8     | 60                 | 35,000   | 10        | 66623399240 |             |
|                     | 80                 | 35,000   | 10        | 66623399241 |             |
|                     | 120                | 35,000   | 10        | 66623399242 |             |
|                     | 240                | 35,000   | 10        | 08834137594 |             |
|                     | 320                | 35,000   | 10        | 08834137595 |             |
|                     | 1-3/16 x 1/8 x 1/8 | 80       | 30,000    | 10          | 08834137491 |
| 120                 |                    | 35,000   | 10        | 08834137492 |             |
| 180                 |                    | 35,000   | 10        | 08834137493 |             |
| 320                 |                    | 35,000   | 10        | 08834137495 |             |
| 1-3/16 x 3/16 x 1/8 |                    | 60       | 30,000    | 10          | 08834137508 |
|                     |                    | 80       | 35,000    | 10          | 08834137501 |
|                     | 120                | 35,000   | 10        | 08834137502 |             |
|                     | 180                | 35,000   | 10        | 08834137503 |             |
|                     | 240                | 35,000   | 10        | 08834137504 |             |
|                     | 320                | 35,000   | 10        | 08834137505 |             |
| 1-3/16 x 3/8 x 1/8  | 80                 | 30,000   | 10        | 08834137511 |             |
|                     | 120                | 35,000   | 10        | 08834137512 |             |
|                     | 180                | 35,000   | 10        | 08834137513 |             |
|                     | 240                | 35,000   | 10        | 08834137514 |             |
|                     | 320                | 35,000   | 10        | 08834137515 |             |

*MERIT STOCK/NON-STOCK STATUS: Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.*



**Micro-Mini Test Kit "MMC"**

- Part # 08834131493
- Includes five wheels, 3/8" to 1-3/16" diameter in various grits, mounted on a 1/8" diameter hardened steel shank
- The "MMC" kit is ideal for fast polishing and light deburring of internal holes or grooves as small as 1/2"



**Mini Flap Wheels with 1/4" Mounted Steel Shanks**

- Small flap wheels, ranging from 1" to 3" diameter, mounted on a 1/4" diameter steel shank
- Very durable, long-lasting mini flap wheels for demanding, heavy stock removal applications



|            |                   |                              |                         |                   |                       |
|------------|-------------------|------------------------------|-------------------------|-------------------|-----------------------|
| TIER:      | <b>BEST</b>       | <b>BETTER</b>                | <b>BETTER</b>           | <b>GOOD</b>       | <b>GOOD</b>           |
| BRAND:     | Norton            | Norton                       | Merit                   | Norton            | Merit                 |
| TRADENAME: | <b>BLAZE R920</b> | <b>R369</b>                  | <b>HIGH PERFORMANCE</b> | <b>METAL R207</b> | <b>ALUMINUM OXIDE</b> |
| ABRASIVE:  | Ceramic Alumina   | Premium Aluminum Oxide Blend | Aluminum Oxide Blend    | Aluminum Oxide    | Aluminum Oxide        |
| OTHER:     | P-Graded          | P-Graded                     |                         | P-Graded          |                       |

| SIZE (D x W x SK.)  | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|---------------------|------|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| 3/4 x 5/8 x 1/4     | 60   | 35,000   | 10        |             | 66623399237 |             |             |             |
|                     | 80   | 35,000   | 10        |             | 66623399238 |             |             |             |
|                     | 120  | 35,000   | 10        |             | 66623399239 |             |             |             |
| 3/4 x 3/4 x 1/4     | 60   | 35,000   | 10        |             | 66623399243 |             |             |             |
|                     | 80   | 35,000   | 10        |             | 66623399244 |             |             |             |
|                     | 120  | 35,000   | 10        |             | 66623399245 |             |             |             |
| 1 x 1/2 x 1/4       | 80   | 30,000   | 10        |             |             |             |             | 08834149801 |
|                     | 120  | 30,000   | 10        |             |             |             |             | 08834149802 |
| 1 x 5/8 x 1/4       | 40   | 30,000   | 10        |             |             | 08834137105 |             |             |
|                     | 60   | 30,000   | 10        |             | 66623399074 | 08834137100 | 63642502576 |             |
|                     | 80   | 30,000   | 10        |             | 66623399075 | 08834137101 | 63642502577 |             |
|                     | 120  | 30,000   | 10        |             | 66623399076 | 08834137102 | 63642502578 |             |
|                     | 180  | 30,000   | 10        |             |             | 08834131536 |             |             |
| 1 x 1 x 1/4         | 240  | 30,000   | 10        |             |             | 08834137104 |             |             |
|                     | 40   | 30,000   | 10        |             | 66623399077 | 08834131259 |             | 08834149803 |
|                     | 50   | 30,000   | 10        |             |             | 08834137309 |             |             |
|                     | 60   | 30,000   | 10        | 66261151170 | 69957394176 | 08834137310 | 63642502580 | 08834149804 |
|                     | 80   | 30,000   | 10        | 66261151171 | 69957394181 | 08834137311 | 63642502581 | 08834149805 |
|                     | 120  | 30,000   | 10        | 66261151172 | 69957394182 | 08834137312 | 63642502582 | 08834149806 |
|                     | 180  | 30,000   | 10        |             | 66623399078 | 08834137313 |             | 08834149807 |
| 1-3/8 x 5/8 x 1/4   | 240  | 30,000   | 10        |             | 66623399079 | 08834137114 |             |             |
|                     | 320  | 30,000   | 10        |             | 66623399080 | 08834137315 |             |             |
|                     | 60   | 30,000   | 10        |             | 66623399247 | 08834137320 | 63642502584 |             |
|                     | 80   | 30,000   | 10        |             | 66623399248 | 08834137321 | 63642502585 |             |
|                     | 120  | 30,000   | 10        |             |             | 08834137322 |             |             |
| 1-1/2 x 1/2 x 1/4   | 180  | 30,000   | 10        |             |             | 08834137323 |             |             |
|                     | 240  | 30,000   | 10        |             |             | 08834137324 |             |             |
|                     | 60   | 25,000   | 10        |             |             |             |             | 08834149810 |
| 1-1/2 x 1 x 1/4     | 80   | 25,000   | 10        |             |             |             |             | 08834149811 |
|                     | 40   | 25,000   | 10        |             | 66623399087 | 08834135140 |             |             |
| 1-1/2 x 1 x 1/4     | 60   | 25,000   | 10        |             | 66623399088 | 08834137340 | 63642502592 | 08834149816 |
|                     | 80   | 25,000   | 10        |             | 66623399089 | 08834137141 | 63642502593 | 08834149817 |
|                     | 120  | 25,000   | 10        |             | 66623399090 | 08834137142 | 63642502594 | 08834149818 |
|                     | 180  | 25,000   | 10        |             | 66623399249 | 08834137343 |             |             |
|                     | 240  | 25,000   | 10        |             | 66623399250 | 08834132101 |             |             |
| 1-1/2 x 1-1/2 x 1/4 | 40   | 25,000   | 10        |             | 66623399251 | 08834130642 |             |             |
|                     | 60   | 25,000   | 10        |             | 66623399252 | 08834130643 |             |             |
|                     | 80   | 25,000   | 10        |             | 66623399253 | 08834130644 |             |             |
|                     | 120  | 25,000   | 10        |             | 66623399254 | 08834130641 |             |             |
| 2 x 1/2 x 1/4       | 180  | 25,000   | 10        |             |             | 08834130695 |             |             |
|                     | 60   | 25,000   | 10        |             | 66623399255 |             | 63642502596 | 08834149821 |
|                     | 80   | 25,000   | 10        |             | 66623399256 |             |             | 08834149822 |
|                     | 120  | 25,000   | 10        |             | 66623399257 |             |             | 08834149823 |
| 2 x 3/4 x 1/4       | 180  | 25,000   | 10        |             | 66623399258 |             |             |             |
|                     | 40   | 25,000   | 10        |             |             | 08834137158 |             |             |
|                     | 60   | 25,000   | 10        |             |             | 08834137160 |             |             |
|                     | 80   | 25,000   | 10        |             |             | 08834137161 |             |             |
| 2 x 3/4 x 1/4       | 120  | 25,000   | 10        |             |             | 08834137162 |             |             |
|                     | 180  | 25,000   | 10        |             |             | 08834137163 |             |             |

MERIT STOCK/NON-STOCK STATUS: Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.

Continued

Mini Flap Wheels with 1/4" Mounted Steel Shanks (continued)



|            |                   |                              |                         |                   |                       |
|------------|-------------------|------------------------------|-------------------------|-------------------|-----------------------|
| TIER:      | <b>BEST</b>       | <b>BETTER</b>                | <b>BETTER</b>           | <b>GOOD</b>       | <b>GOOD</b>           |
| BRAND:     | Norton            | Norton                       | Merit                   | Norton            | Merit                 |
| TRADENAME: | <b>BLAZE R920</b> | <b>R369</b>                  | <b>HIGH PERFORMANCE</b> | <b>METAL R207</b> | <b>ALUMINUM OXIDE</b> |
| ABRASIVE:  | Ceramic Alumina   | Premium Aluminum Oxide Blend | Aluminum Oxide Blend    | Aluminum Oxide    | Aluminum Oxide        |
| OTHER:     | P-Graded          | P-Graded                     |                         | P-Graded          |                       |

| SIZE (D x W x SK.)  | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|---------------------|------|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| 2 x 1 x 1/4         | 40   | 25,000   | 10        |             | 66623399094 | 08834137377 |             | 08834149824 |
|                     | 50   | 25,000   | 10        |             |             | 08834137169 |             |             |
|                     | 60   | 25,000   | 10        | 66261151173 | 69957394183 | 08834137370 | 63642502600 | 08834149825 |
|                     | 80   | 25,000   | 10        | 66261151174 | 69957394184 | 08834137371 | 63642502601 | 08834149826 |
|                     | 120  | 25,000   | 10        | 66261151175 | 69957394185 | 08834137372 | 63642502602 | 08834149827 |
|                     | 180  | 25,000   | 10        |             | 66623399095 | 08834137373 |             | 08834149828 |
|                     | 240  | 25,000   | 10        |             | 66623399096 | 08834137374 |             |             |
| 2 x 1-1/2 x 1/4     | 320  | 25,000   | 10        |             | 66623399097 | 08834137375 |             |             |
|                     | 40   | 25,000   | 10        |             |             | 08834137183 |             |             |
|                     | 60   | 25,000   | 10        |             | 66623399098 | 08834137380 |             |             |
|                     | 80   | 25,000   | 10        |             | 66623399099 | 08834137381 |             |             |
|                     | 120  | 25,000   | 10        |             | 66623399100 | 08834137382 |             |             |
| 2-1/2 x 1/2 x 1/4   | 180  | 25,000   | 10        |             | 08834137383 |             |             |             |
|                     | 60   | 20,000   | 10        |             | 66623399259 |             |             |             |
| 2-1/2 x 1 x 1/4     | 80   | 20,000   | 10        |             | 66623399260 |             |             |             |
|                     | 40   | 20,000   | 10        |             |             | 08834137408 |             |             |
| 2-1/2 x 1-1/2 x 1/4 | 60   | 20,000   | 10        |             | 66623399262 | 08834137410 | 63642502608 |             |
|                     | 80   | 20,000   | 10        |             | 66623399263 | 08834137411 | 63642502609 |             |
|                     | 120  | 20,000   | 10        |             | 66623399264 | 08834137412 | 63642502610 |             |
|                     | 180  | 20,000   | 10        |             |             | 08834137413 |             |             |
|                     | 240  | 20,000   | 10        |             |             | 08834137633 |             |             |
|                     | 320  | 20,000   | 10        |             |             | 08834137415 |             |             |
| 3 x 1/2 x 1/4       | 60   | 20,000   | 10        |             |             | 08834137420 |             |             |
|                     | 80   | 20,000   | 10        |             |             | 08834137421 |             |             |
|                     | 120  | 20,000   | 10        |             |             | 08834137422 |             |             |
| 3 x 3/4 x 1/4       | 60   | 20,000   | 10        |             | 66623399265 |             | 63642502612 | 08834149834 |
|                     | 80   | 20,000   | 10        |             | 66623399266 |             | 63642502613 | 08834149835 |
|                     | 120  | 20,000   | 10        |             | 66623399268 |             | 63642502614 |             |
| 3 x 3/4 x 1/4       | 60   | 20,000   | 10        |             |             | 08834137440 |             |             |
|                     | 80   | 20,000   | 10        |             |             | 08834137441 |             |             |
| 3 x 1 x 1/4         | 40   | 20,000   | 10        |             | 66623399104 | 08834137456 |             | 08834149836 |
|                     | 60   | 20,000   | 10        | 66261151176 | 69957394186 | 08834137450 | 63642502620 | 08834149837 |
|                     | 80   | 20,000   | 10        | 66261151177 | 69957394187 | 08834137451 | 63642502621 | 08834149838 |
|                     | 120  | 20,000   | 10        | 66261151178 | 69957394188 | 08834137252 | 63642502622 | 08834149839 |
|                     | 180  | 20,000   | 10        |             | 66623399105 | 08834137253 |             | 08834149840 |
|                     | 240  | 20,000   | 10        |             | 66623399106 | 08834135339 |             |             |
|                     | 320  | 20,000   | 10        |             | 66623399107 | 08834135341 |             |             |
| 3 x 2 x 1/4         | 40   | 12,000   | 10        |             |             | 08834137460 |             |             |
|                     | 60   | 12,000   | 10        |             | 66623399108 | 08834137260 |             |             |
|                     | 80   | 12,000   | 10        |             | 66623399109 | 08834137261 |             |             |
|                     | 120  | 12,000   | 10        |             | 66623399110 | 08834137262 |             |             |
|                     | 180  | 12,000   | 10        |             |             | 08834137263 |             |             |

MERIT STOCK/NON-STOCK STATUS: Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.



Merit Mini 1/4" Steel Shank Test Kit "CMM"

- Part # 08834138004
- Includes ten wheels, 1" to 3" diameter in various grits mounted on a 1/4" diameter hardened steel shank



### Mini Flap Wheels with 1/4"-20 Thread

- Mini flap wheels ranging from 1" to 3" diameter, mounted on a 14-20 thread that allows you to quickly spin the wheels on and off with no tools
- Designed for polishing and finishing intricate surfaces; cost-effective replacement for brushes, rubber points, and felt bobs



|            |                              |                         |                   |
|------------|------------------------------|-------------------------|-------------------|
| TIER:      | <b>BETTER</b>                | <b>BETTER</b>           | <b>GOOD</b>       |
| BRAND:     | Norton                       | Merit                   | Norton            |
| TRADENAME: | <b>R369</b>                  | <b>HIGH PERFORMANCE</b> | <b>METAL R207</b> |
| ABRASIVE:  | Premium Aluminum Oxide Blend | Aluminum Oxide Blend    | Aluminum Oxide    |
| OTHER:     | P-Graded                     |                         | P-Graded          |

| SIZE (D x W x THD.)  | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      |
|----------------------|------|----------|-----------|-------------|-------------|-------------|
| 1 x 5/8 x 1/4-20     | 60   | 30,000   | 10        | 66623399111 | 08834131001 | 63642502624 |
|                      | 80   | 30,000   | 10        | 66623399112 | 08834131002 | 63642502625 |
|                      | 120  | 30,000   | 10        | 66623399113 | 08834131003 | 63642502626 |
| 1 x 1 x 1/4-20       | 40   | 30,000   | 10        |             | 08834131027 |             |
|                      | 60   | 30,000   | 10        | 69957394189 | 08834131008 | 63642502628 |
|                      | 80   | 30,000   | 10        | 69957394190 | 08834131009 | 63642502629 |
|                      | 120  | 30,000   | 10        | 69957394191 | 08834131010 | 63642502630 |
|                      | 180  | 30,000   | 10        | 66623399269 | 08834131011 |             |
|                      | 240  | 30,000   | 10        |             | 08834131012 |             |
| 1-3/8 x 5/8 x 1/4-20 | 60   | 30,000   | 10        |             | 08834132001 | 63642502632 |
|                      | 80   | 30,000   | 10        | 66623399271 | 08834132002 | 63642502633 |
|                      | 120  | 30,000   | 10        |             | 08834132003 | 63642502634 |
| 1-1/2 x 1 x 1/4-20   | 80   | 25,000   | 10        | 66623399274 |             |             |
|                      | 120  | 25,000   | 10        | 66623399275 |             |             |
| 1-5/8 x 1 x 1/4-20   | 40   | 25,000   | 10        |             | 08834132051 |             |
|                      | 60   | 25,000   | 10        |             | 08834132015 | 63642502638 |
|                      | 80   | 25,000   | 10        |             | 08834132016 | 63642502639 |
|                      | 120  | 25,000   | 10        |             | 08834132017 | 63642502640 |
|                      | 180  | 25,000   | 10        |             | 08834132018 |             |
|                      | 320  | 25,000   | 10        |             | 08834132020 |             |
| 2 x 1/2 x 1/4-20     | 60   | 25,000   | 10        | 66623399276 |             | 63642502642 |
|                      | 80   | 25,000   | 10        | 66623399277 |             | 63642502643 |
|                      | 120  | 25,000   | 10        |             |             | 63642502644 |
| 2 x 3/4 x 1/4-20     | 60   | 25,000   | 10        |             | 08834133008 |             |
|                      | 80   | 25,000   | 10        |             | 08834133009 |             |
|                      | 120  | 25,000   | 10        |             | 08834133010 |             |
|                      | 180  | 25,000   | 10        |             | 08834133011 |             |
| 2 x 1 x 1/4-20       | 40   | 25,000   | 10        |             | 08834133044 |             |
|                      | 60   | 25,000   | 10        | 69957394192 | 08834133015 | 63642502646 |
|                      | 80   | 25,000   | 10        | 69957394193 | 08834133016 | 63642502647 |
|                      | 120  | 25,000   | 10        | 69957394194 | 08834133017 | 63642502648 |
|                      | 180  | 25,000   | 10        |             | 08834133018 |             |
|                      | 240  | 25,000   | 10        |             | 08834133019 |             |
| 2 x 1-1/2 x 1/4-20   | 320  | 25,000   | 10        |             | 08834133020 |             |
|                      | 60   | 25,000   | 10        |             | 08834135201 |             |
|                      | 80   | 25,000   | 10        |             | 08834135202 |             |
|                      | 120  | 25,000   | 10        |             | 08834135203 |             |
|                      | 180  | 25,000   | 10        |             | 08834135204 |             |

MERIT STOCK/NON-STOCK STATUS: Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.

For adapters for flap wheels with 1/4"-20 thread, see the end of this section

Continued



Mini Flap Wheels with 1/4"-20 Thread (continued)



|            |                              |                         |                   |
|------------|------------------------------|-------------------------|-------------------|
| TIER:      | <b>BETTER</b>                | <b>BETTER</b>           | <b>GOOD</b>       |
| BRAND:     | Norton                       | Merit                   | Norton            |
| TRADENAME: | <b>R369</b>                  | <b>HIGH PERFORMANCE</b> | <b>METAL R207</b> |
| ABRASIVE:  | Premium Aluminum Oxide Blend | Aluminum Oxide Blend    | Aluminum Oxide    |
| OTHER:     | P-Graded                     |                         | P-Graded          |

| SIZE (D x W x THD.) | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      |
|---------------------|------|----------|-----------|-------------|-------------|-------------|
| 2-1/2 x 1 x 1/4-20  | 40   | 20,000   | 10        |             | 08834134061 |             |
|                     | 60   | 20,000   | 10        |             | 08834134022 | 63642502654 |
|                     | 80   | 20,000   | 10        |             | 08834134023 |             |
|                     | 120  | 20,000   | 10        |             | 08834134024 | 63642502656 |
|                     | 180  | 20,000   | 10        |             | 08834134025 |             |
| 3 x 1/2 x 1/4-20    | 80   | 20,000   | 10        |             |             | 63642502659 |
|                     | 120  | 20,000   | 10        |             |             | 63642502660 |
| 3 x 3/4 x 1/4-20    | 80   | 20,000   | 10        |             | 08834135009 |             |
|                     | 120  | 20,000   | 10        |             | 08834135010 |             |
| 3 x 1 x 1/4-20      | 40   | 20,000   | 10        |             | 08834135230 |             |
|                     | 60   | 20,000   | 10        | 69957394195 | 08834135015 | 63642502664 |
|                     | 80   | 20,000   | 10        | 69957394196 | 08834135016 | 63642502665 |
|                     | 120  | 20,000   | 10        | 69957394197 | 08834135017 | 63642502666 |
|                     | 180  | 20,000   | 10        | 66623399281 | 08834135018 |             |
|                     | 240  | 20,000   | 10        |             | 08834135019 |             |

MERIT STOCK/NON-STOCK STATUS: Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status. For adapters for flap wheels with 1/4"-20 thread, see the end of this section

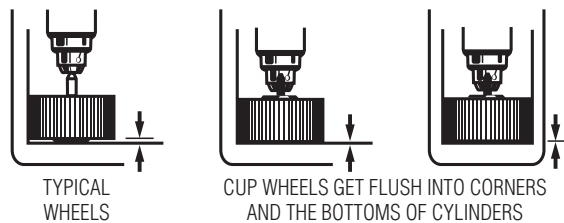


Cup-Type Mini Flap Wheels with 1/4" Mounted Steel Shanks

- Primarily used for bottom or side-wall type sanding where conventional tools do not reach
- Cup-type mini flap wheels will not mar your workpiece while reaching flush into areas where other wheels cannot reach

|           |                |
|-----------|----------------|
| TIER:     | <b>GOOD</b>    |
| BRAND:    | Merit          |
| ABRASIVE: | Aluminum Oxide |

| D x W x SK.         | MAX. RPM | GRIT | STD. PKG. | PART #      |
|---------------------|----------|------|-----------|-------------|
| 2-1/2 x 1-1/2 x 1/4 | 20,000   | 60   | 10        | 08834144463 |





### 3" – 8" Flap Wheels with Arbor Holes

- Flap wheels ranging from 3" to 8" diameter with arbor holes
- Heavy cotton backing and premium abrasive grains combine to provide superior life with aggressive cut on a wide range of polishing and finishing applications



|            |                         |                   |
|------------|-------------------------|-------------------|
| TIER:      | <b>BETTER</b>           | <b>GOOD</b>       |
| BRAND:     | Merit                   | Norton            |
| TRADENAME: | <b>HIGH PERFORMANCE</b> | <b>METAL R207</b> |
| ABRASIVE:  | Aluminum Oxide Blend    | Aluminum Oxide    |
| OTHER:     |                         | P-Graded          |

| SIZE (D x W x H)    | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      |
|---------------------|------|----------|-----------|-------------|-------------|
| 3 x 2 x 3/8         | 60   | 12,000   | 10        | 08834135050 |             |
|                     | 80   | 12,000   | 10        | 08834135051 |             |
|                     | 120  | 12,000   | 10        | 08834135052 |             |
| 3-1/2 x 1 x 5/8     | 40   | 12,000   | 10        | 08834122001 |             |
|                     | 50   | 12,000   | 10        | 08834122002 |             |
|                     | 60   | 12,000   | 10        | 08834122003 | 63642502668 |
|                     | 80   | 12,000   | 10        | 08834122004 | 63642502669 |
|                     | 120  | 12,000   | 10        | 08834122006 |             |
|                     | 180  | 12,000   | 10        | 08834122007 |             |
|                     | 240  | 12,000   | 10        | 08834122008 |             |
|                     | 320  | 12,000   | 10        | 08834122009 |             |
| 3-1/2 x 1-1/2 x 5/8 | 40   | 12,000   | 10        | 08834122011 |             |
|                     | 50   | 12,000   | 10        | 08834122012 |             |
|                     | 60   | 12,000   | 10        | 08834122013 |             |
|                     | 80   | 12,000   | 10        | 08834122014 |             |
|                     | 120  | 12,000   | 10        | 08834122016 |             |
|                     | 150  | 12,000   | 10        | 08834122017 |             |
|                     | 180  | 12,000   | 10        | 08834122018 |             |
|                     | 320  | 12,000   | 10        | 08834122020 |             |
| 3-1/2 x 2 x 5/8     | 40   | 12,000   | 10        | 08834122022 |             |
|                     | 60   | 12,000   | 10        | 08834122024 |             |
|                     | 80   | 12,000   | 10        | 08834122025 |             |
|                     | 120  | 12,000   | 10        | 08834122027 |             |
|                     | 180  | 12,000   | 10        | 08834122028 |             |
|                     | 320  | 12,000   | 10        | 08834122032 |             |
| 4 x 1 x 5/8         | 40   | 12,000   | 10        | 08834122032 |             |
|                     | 50   | 12,000   | 10        | 08834122033 |             |
|                     | 60   | 12,000   | 10        | 08834122034 | 63642502673 |
|                     | 80   | 12,000   | 10        | 08834122035 | 63642502674 |
|                     | 120  | 12,000   | 10        | 08834122037 | 63642502675 |
|                     | 180  | 12,000   | 10        | 08834122038 |             |
|                     | 240  | 12,000   | 10        | 08834122039 |             |
|                     | 320  | 12,000   | 10        | 08834122040 |             |
| 4 x 1-1/2 x 5/8     | 40   | 12,000   | 10        | 08834122042 |             |
|                     | 50   | 12,000   | 10        | 08834122043 |             |
|                     | 60   | 12,000   | 10        | 08834122044 |             |
|                     | 80   | 12,000   | 10        | 08834122045 |             |
|                     | 120  | 12,000   | 10        | 08834122047 |             |
|                     | 240  | 12,000   | 10        | 08834122050 |             |
| 4 x 2 x 5/8         | 40   | 12,000   | 10        | 08834122053 |             |
|                     | 50   | 12,000   | 10        | 08834122054 |             |
|                     | 60   | 12,000   | 10        | 08834122055 | 63642502677 |
|                     | 80   | 12,000   | 10        | 08834122056 |             |
|                     | 120  | 12,000   | 10        | 08834122058 |             |
|                     | 180  | 12,000   | 10        | 08834122059 |             |
|                     | 240  | 12,000   | 10        | 08834122060 |             |
|                     | 320  | 12,000   | 10        | 08834122061 |             |

**MERIT STOCK/NON-STOCK STATUS:** Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.

For flap wheel with arbor hole adapters and bushings, see the end of this section. A set of reducing bushing will be included for 1" center hole wheels at no charge when purchased with flap wheels and specified on the order.

Continued



3" – 8" Flap Wheels with Arbor Holes (continued)



|            |                   |                              |                         |                   |                       |
|------------|-------------------|------------------------------|-------------------------|-------------------|-----------------------|
| TIER:      | <b>BEST</b>       | <b>BETTER</b>                | <b>BETTER</b>           | <b>GOOD</b>       | <b>GOOD</b>           |
| BRAND:     | Norton            | Norton                       | Merit                   | Norton            | Merit                 |
| TRADENAME: | <b>BLAZE R920</b> | <b>R369</b>                  | <b>HIGH PERFORMANCE</b> | <b>METAL R207</b> | <b>ALUMINUM OXIDE</b> |
| ABRASIVE:  | Ceramic Alumina   | Premium Aluminum Oxide Blend | Aluminum Oxide Blend    | Aluminum Oxide    | Aluminum Oxide        |
| OTHER:     | P-Graded          | P-Graded                     |                         | P-Graded          |                       |

| SIZE (D x W x H) | GRIT      | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #            | PART #      |
|------------------|-----------|----------|-----------|-------------|-------------|-------------|-------------------|-------------|
| 5 x 1 x 5/8      | 40        | 6,200    | 10        |             | 66623399282 |             |                   |             |
|                  | 60        | 6,200    | 10        |             | 66623399283 |             |                   |             |
|                  | 80        | 6,200    | 10        |             | 66623399284 |             | 63642502678 5/PKG |             |
|                  | 120       | 6,200    | 10        |             | 66623399285 |             |                   |             |
| 5 x 1-1/2 x 5/8  | 40        | 12,000   | 10        |             |             | 08834122063 |                   |             |
|                  | 50        | 12,000   | 10        |             |             | 08834122064 |                   |             |
|                  | 60        | 12,000   | 10        |             |             | 08834122065 |                   |             |
|                  | 80        | 12,000   | 10        |             |             | 08834122066 |                   |             |
|                  | 120       | 12,000   | 10        |             |             | 08834122068 |                   |             |
|                  | 180       | 12,000   | 10        |             |             | 08834122070 |                   |             |
|                  | 240       | 12,000   | 10        |             |             | 08834122071 |                   |             |
|                  | 320       | 12,000   | 10        |             |             | 08834122072 |                   |             |
| 6 x 1/2 x 1      | 40        | 6,000    | 10        |             |             | 08834123001 |                   |             |
|                  | 60        | 6,000    | 10        |             |             | 08834123003 |                   |             |
|                  | 120       | 6,000    | 10        |             |             | 08834123005 |                   |             |
|                  | 150       | 6,000    | 10        |             |             | 08834122198 |                   |             |
|                  | 180       | 6,000    | 10        |             |             | 08834123006 |                   |             |
|                  | 240       | 6,000    | 10        |             |             | 08834123007 |                   |             |
|                  | 320       | 6,000    | 10        |             |             | 08834122137 |                   |             |
| 6 x 1 x 1        | 40        | 6,000    | 5         |             |             | 08834123009 |                   | 08834120167 |
|                  | 50        | 6,000    | 5         |             |             | 08834123010 |                   | 08834120168 |
|                  | 60        | 6,000    | 5         | 66261146104 | 69957394198 | 08834123011 | 63642502680       | 08834120169 |
|                  | 80        | 6,000    | 5         | 66261146105 | 69957394199 | 08834123012 | 63642502681       | 08834120170 |
|                  | 100       | 6,000    | 5         |             |             |             |                   | 08834120171 |
|                  | 120       | 6,000    | 5         | 66261146106 | 69957394200 | 08834123014 | 63642502682       | 08834120172 |
|                  | 150       | 6,000    | 5         |             |             | 08834123015 |                   |             |
|                  | 180       | 6,000    | 5         |             |             | 08834123016 |                   | 08834120174 |
|                  | 240       | 6,000    | 5         |             |             | 08834123017 |                   | 08834120176 |
|                  | 320       | 6,000    | 5         |             |             | 08834123018 |                   | 08834120177 |
| 6 x 1-1/2 x 1    | 40        | 6,000    | 5         |             | 66623399286 | 08834123020 |                   |             |
|                  | 50        | 6,000    | 5         |             |             | 08834123021 |                   |             |
|                  | 60        | 6,000    | 5         |             | 66623399287 | 08834123022 | 63642502686       |             |
|                  | 80        | 6,000    | 5         |             | 66623399288 | 08834123023 | 63642502687       |             |
|                  | 120       | 6,000    | 5         |             | 66623399289 | 08834123025 |                   |             |
|                  | 150       | 6,000    | 5         |             |             | 08834123026 |                   |             |
|                  | 180       | 6,000    | 5         |             |             | 08834123027 |                   |             |
|                  | 240       | 6,000    | 5         |             |             | 08834123028 |                   |             |
|                  | 320       | 6,000    | 5         |             |             | 08834123029 |                   |             |
|                  | 6 x 2 x 1 | 40       | 6,000     | 5           |             | 66623399290 | 08834123031       |             |
| 50               |           | 6,000    | 5         |             |             | 08834123032 |                   |             |
| 60               |           | 6,000    | 5         |             | 66623399291 | 08834123033 | 63642502691       | 08834120191 |
| 80               |           | 6,000    | 5         |             | 66623399292 | 08834123034 | 63642502692       | 08834120192 |
| 100              |           | 6,000    | 5         |             |             |             |                   | 08834120198 |
| 120              |           | 6,000    | 5         |             | 66623399293 | 08834123036 | 63642502694       | 08834120194 |
| 180              |           | 6,000    | 5         |             | 66623399294 | 08834123038 |                   | 08834120197 |
| 240              |           | 6,000    | 5         |             |             | 08834123039 |                   | 08834120199 |
| 320              |           | 6,000    | 5         |             |             | 08834123040 |                   | 08834120493 |
| 6 x 3 x 1        |           | 50       | 6,000     | 3           |             |             | 08834123054       |             |
|                  | 60        | 6,000    | 3         |             |             | 08834123055 |                   |             |
|                  | 80        | 6,000    | 3         |             |             | 08834123056 | 63642502696 5/PKG |             |
|                  | 120       | 6,000    | 3         |             |             | 08834123058 |                   |             |
|                  | 150       | 6,000    | 3         |             |             | 08834122544 |                   |             |
|                  | 180       | 6,000    | 3         |             |             | 08834123060 |                   |             |
|                  | 240       | 6,000    | 3         |             |             | 08834123061 |                   |             |
|                  | 320       | 6,000    | 3         |             |             | 08834122329 |                   |             |

MERIT STOCK/NON-STOCK STATUS: Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.  
 For flap wheel with arbor hole adapters and bushings, see the end of this section.  
 A set of reducing bushing will be included for 1" center hole wheels at no charge when purchased with flap wheels and specified on the order.  
 Continued

### 3" – 8" Flap Wheels with Arbor Holes (continued)



|            |                   |                              |                         |                   |                       |
|------------|-------------------|------------------------------|-------------------------|-------------------|-----------------------|
| TIER:      | <b>BEST</b>       | <b>BETTER</b>                | <b>BETTER</b>           | <b>GOOD</b>       | <b>GOOD</b>           |
| BRAND:     | Norton            | Norton                       | Merit                   | Norton            | Merit                 |
| TRADENAME: | <b>BLAZE R920</b> | <b>R369</b>                  | <b>HIGH PERFORMANCE</b> | <b>METAL R207</b> | <b>ALUMINUM OXIDE</b> |
| ABRASIVE:  | Ceramic Alumina   | Premium Aluminum Oxide Blend | Aluminum Oxide Blend    | Aluminum Oxide    | Aluminum Oxide        |
| OTHER:     | P-Graded          | P-Graded                     |                         | P-Graded          |                       |

| SIZE (D x W x H) | GRIT | MAX. RPM | STD. PKG. | PART # | PART #      | PART #      | PART #      | PART # |
|------------------|------|----------|-----------|--------|-------------|-------------|-------------|--------|
| 8 x 1 x 1        | 40   | 4,500    | 3         |        |             | 08834123070 |             |        |
|                  | 50   | 4,500    | 3         |        |             | 08834123071 |             |        |
|                  | 60   | 4,500    | 3         |        | 66623399295 | 08834123072 |             |        |
|                  | 80   | 4,500    | 3         |        | 66623399296 | 08834123073 | 63642502698 |        |
|                  | 120  | 4,500    | 3         |        | 66623399297 | 08834123075 |             |        |
|                  | 180  | 4,500    | 3         |        |             | 08834123077 |             |        |
|                  | 240  | 4,500    | 3         |        |             | 08834123078 |             |        |
| 8 x 2 x 1        | 40   | 4,500    | 3         |        |             | 08834123092 |             |        |
|                  | 50   | 4,500    | 3         |        |             | 08834123093 |             |        |
|                  | 60   | 4,500    | 3         |        |             | 08834123094 | 63642502700 |        |
|                  | 80   | 4,500    | 3         |        |             | 08834123095 | 63642502701 |        |
|                  | 120  | 4,500    | 3         |        |             | 08834123097 |             |        |
|                  | 180  | 4,500    | 3         |        |             | 08834123099 |             |        |
|                  | 240  | 4,500    | 3         |        |             | 08834123100 |             |        |
|                  | 320  | 4,500    | 3         |        |             | 08834123101 |             |        |

**MERIT STOCK/NON-STOCK STATUS:** Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.  
For flap wheel with arbor hole adapters and bushings, see the end of this section.  
A set of reducing bushing will be included for 1" center hole wheels at no charge when purchased with flap wheels and specified on the order.



**MERIT**

### Flap Wheel Test Kits

#### Merit Mini 1/4"-20 Thread Test Kit "CQ"

- Part # 08834138001
- Includes ten, 1" to 3" diameter, 1/4"-20 thread mini flap wheels
- Each kit includes a 1/4"-20 QC-4 quick-change adapter

#### Merit Mini 1/4" Steel Shank Test Kit "CMM"

- Part # 08834138004
- Includes ten wheels, 1" to 3" diameter in various grits
- The flap wheels are mounted on a 1/4" diameter hardened steel shank

#### Merit Micro Mini 1/8" Steel Shank Test Kit "MMC"

- Part # 08834131493
- Includes 5 wheels, 3/8" to 1-3/16" in diameter
- The flap wheels are mounted on a 1/8" diameter hardened steel shank
- Ideal for fast polishing and light deburring of holes or grooves





## 10" – 16" Large Flap Wheels with Arbor Holes

Wide range of applications:

- For polishing/grinding jobs in production work as well as clean-up and maintenance jobs
- Work on metals, plastic, rubber and wood

Easy to operate:

- No adjustments, dressing, or preparation required before or during operation

Fewer rejected parts:

- More forgiving than other abrasive products
- Reduce the possibility of flattening, gouging and surface deformation

TIER: **BETTER**  
 BRAND: Merit  
 TRADENAME: **HIGH PERFORMANCE**  
 ABRASIVE: Aluminum Oxide Blend

| SIZE (D x W x H)   | GRIT | MAX. RPM | STD. PKG. | PART #      |
|--------------------|------|----------|-----------|-------------|
| 10 x 1 x 1-3/4     | 40   | 4,000    | 4         | 08834122223 |
|                    | 80   | 4,000    | 4         | 08834124003 |
|                    | 120  | 4,000    | 4         | 08834124005 |
|                    | 150  | 4,000    | 4         | 08834124006 |
|                    | 180  | 4,000    | 4         | 08834124007 |
|                    | 240  | 4,000    | 4         | 08834122889 |
| 10 x 1-1/2 x 1-3/4 | 320  | 4,000    | 4         | 08834124009 |
|                    | 60   | 4,000    | 4         | 08834124022 |
|                    | 80   | 4,000    | 4         | 08834124023 |
|                    | 120  | 4,000    | 4         | 08834124025 |
|                    | 180  | 4,000    | 4         | 08834124027 |
|                    | 240  | 4,000    | 4         | 08834124029 |
| 10 x 2 x 1-3/4     | 60   | 4,000    | 2         | 08834124042 |
|                    | 80   | 4,000    | 2         | 08834124043 |
|                    | 120  | 4,000    | 2         | 08834124045 |
| 10 x 3 x 1-3/4     | 180  | 4,000    | 2         | 08834124047 |
|                    | 60   | 4,000    | 2         | 08834124077 |
|                    | 80   | 4,000    | 2         | 08834122316 |
| 12 x 1 x 1-3/4     | 120  | 4,000    | 2         | 08834122131 |
|                    | 180  | 4,000    | 2         | 08834122132 |
|                    | 60   | 3,000    | 4         | 08834124085 |
|                    | 80   | 3,000    | 4         | 08834122349 |
|                    | 120  | 3,000    | 4         | 08834122311 |
|                    | 180  | 3,000    | 4         | 08834122315 |
| 12 x 2 x 1-3/4     | 240  | 3,000    | 2         | 08834122248 |
|                    | 50   | 3,000    | 2         | 08834122249 |
|                    | 60   | 3,000    | 2         | 08834122250 |
|                    | 120  | 3,000    | 2         | 08834122269 |
|                    | 150  | 3,000    | 2         | 08834122270 |
|                    | 180  | 3,000    | 2         | 08834122271 |
|                    | 240  | 3,000    | 2         | 08834122273 |
|                    | 320  | 3,000    | 2         | 08834122275 |
| 12 x 4 x 1-3/4     | 50   | 2,400    | 1         | 08834120013 |
|                    | 80   | 2,400    | 1         | 08834120015 |
|                    | 120  | 2,400    | 1         | 08834120016 |
|                    | 180  | 2,400    | 1         | 08834120017 |
|                    | 240  | 2,400    | 1         | 08834120019 |
|                    | 240  | 2,400    | 1         | 08834120020 |
| 14 x 1 x 1-3/4     | 120  | 2,400    | 1         | 08834120022 |
|                    | 180  | 2,400    | 1         | 08834120024 |
| 14 x 1-1/2 x 1-3/4 | 80   | 2,400    | 1         | 08834120025 |
|                    | 120  | 2,400    | 1         | 08834120026 |
|                    | 180  | 2,400    | 1         | 08834120027 |

TIER: **BETTER**  
 BRAND: Merit  
 TRADENAME: **HIGH PERFORMANCE**  
 ABRASIVE: Aluminum Oxide Blend

| SIZE (D x W x H) | GRIT | MAX. RPM | STD. PKG. | PART #      |
|------------------|------|----------|-----------|-------------|
| 14 x 2 x 1-3/4   | 60   | 2,400    | 1         | 08834120028 |
|                  | 80   | 2,400    | 1         | 08834123215 |
|                  | 120  | 2,400    | 1         | 08834122907 |
|                  | 240  | 2,400    | 1         | 08834120032 |
| 14 x 3 x 1-3/4   | 60   | 2,400    | 1         | 08834120033 |
|                  | 80   | 2,400    | 1         | 08834120034 |
|                  | 120  | 2,400    | 1         | 08834120035 |
| 14 x 4 x 1-3/4   | 240  | 2,400    | 1         | 08834120036 |
|                  | 60   | 2,000    | 1         | 08834120037 |
|                  | 80   | 2,000    | 1         | 08834122829 |
| 16 x 1 x 1-3/4   | 120  | 2,000    | 1         | 08834122502 |
|                  | 240  | 2,000    | 1         | 08834120041 |
|                  | 60   | 2,400    | 1         | 08834120042 |
|                  | 80   | 2,400    | 1         | 08834120043 |
| 16 x 2 x 1-3/4   | 120  | 2,400    | 1         | 08834120044 |
|                  | 180  | 2,400    | 1         | 08834120045 |
|                  | 240  | 2,400    | 1         | 08834120046 |
|                  | 60   | 2,400    | 1         | 08834120047 |
| 16 x 3 x 1-3/4   | 80   | 2,400    | 1         | 08834120049 |
|                  | 120  | 2,400    | 1         | 08834120050 |
|                  | 180  | 2,400    | 1         | 08834120051 |
|                  | 240  | 2,400    | 1         | 08834120052 |
| 16 x 4 x 1-3/4   | 60   | 2,400    | 1         | 08834120053 |
|                  | 80   | 2,400    | 1         | 08834120054 |
|                  | 120  | 2,400    | 1         | 08834120055 |
|                  | 180  | 2,400    | 1         | 08834120056 |
| 16 x 6 x 1-3/4   | 240  | 2,400    | 1         | 08834120057 |
|                  | 60   | 2,000    | 1         | 08834120058 |
|                  | 120  | 2,000    | 1         | 08834120060 |
|                  | 240  | 2,000    | 1         | 08834122435 |
| 16 x 6 x 1-3/4   | 80   | 2,000    | 1         | 08834120068 |
|                  | 120  | 2,000    | 1         | 08834120069 |
|                  | 180  | 2,000    | 1         | 08834120070 |
|                  | 240  | 2,000    | 1         | 08834120071 |

*MERIT STOCK/NON-STOCK STATUS: Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.  
 For flap wheel with arbor hole adapters and bushings, see the end of this section.*



### Adapter and Bushings for Flap Wheels with Arbor Holes

| WHEEL DIAMETER                    | ADAPTERS      | PART #       |
|-----------------------------------|---------------|--------------|
| <b>Shank Adapters</b>             |               |              |
| 3-1/2                             | 1/4 Shank     | 08834125001  |
| 3-1/2                             | 3/8 Shank     | 08834125007* |
| 4-8                               | 1/4 Shank     | 08834125003  |
| <b>Threaded Mounting Adapters</b> |               |              |
| 4-8                               | 5/8-11 Thread | 08834125027  |
| <b>Reducing Bushings</b>          |               |              |
| 6-8                               | 1 to 3/8      | 08834125016* |
|                                   | 1 to 1/2      | 08834125017  |
|                                   | 1 to 5/8      | 08834125018* |
|                                   | 1 to 3/4      | 08834125019* |
|                                   | 1 to 7/8      | 08834125020* |
| 10-16                             | 1 to 5/8      | 08834122069* |

Standard packages = 1 adapter, 1 pair of bushings

\* Non-stock. Please call for lead-times.

For additional aluminum reducing bushings see non-woven convolute wheel section



08834125001



08834125007



08834125003



08834125027



08834125016

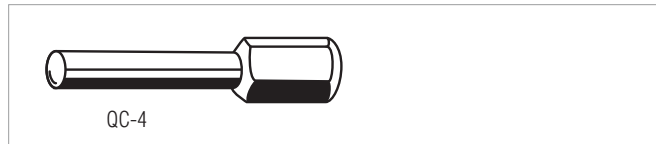
### Adapters for 1/4"-20 Thread Mini and Arbor Hole Flap Wheels

| MODEL #         | DESCRIPTION                       | PART #       |
|-----------------|-----------------------------------|--------------|
| <b>Adapters</b> |                                   |              |
| ADAPT C         | Fits 3 x 2 x 3/8 arbor flap wheel | 08834137009* |
| MA-100          | Fits A.H. Mini Wheel              | 08834137007* |
| QC-8            | 1/8 x 5/8                         | 08834137002* |
| QC-4            | 1/4 SK. Dia. x 5/8 SK. L.         | 08834137001  |
| QC-44           | 1/4 x 4                           | 08834137003  |
| QC-46           | 1/4 x 6                           | 08834137004  |
| QC-48           | 1/4 x 8                           | 08834137005  |
| QC-T            | 1/4-20 Thread                     | 08834137012  |
| QC-T            | 3/8-24 Thread                     | 08834137010  |

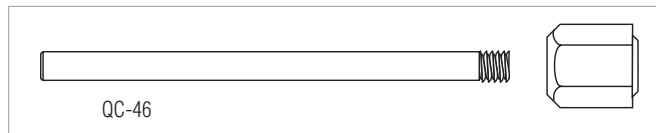
Standard package = 1 adapter

Other thread sizes available for quotation

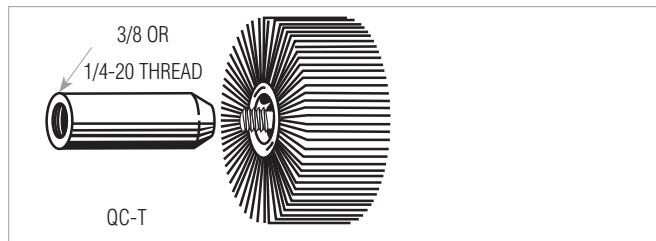
\* Non-stock. Please call for lead-times.



QC-4



QC-46



QC-T



## Sand-O-Flex Wheels

With their firm cushioning brushes, Sand-O-Flex's abrasive strips are forced into, around and over corners, hollow and fluted surfaces, and small openings. Pressure is distributed evenly over the surface to prevent loss of detail and the flattening of rounded areas; for sanding metals, woods, plastics, rubber and ceramic.

Sand-O-Flex wheels eliminate the need to hand-sand and are designed to fit most standard equipment. They load quickly and easily by turning the index knob as needed, allowing you to change grit size in minutes. Sand-O-Flex refills are available both scored (for finer, less aggressive work) and unscored. And, with the use of Merit adapters, Sand-O-Flex wheels will fit most electric bench grinders.

### Sand-O-Flex Wheel – Model 350-RP

- Diameter: 6-1/2" overall, 4" diameter high-impact plastic body
- 1" wide abrasive strips backed by 8 cushioning brushes
- 1/4" diameter steel shank
- Weight: 9-1/2 oz.
- Maximum operating speed: 2,400 RPM
- Special adapter required for bench grinder use
- Some assembly required

TIER: **GOOD**  
 BRAND: Merit  
 TRADENAME: **SAND-O-FLEX**  
 ABRASIVE: Aluminum Oxide

| MODEL #  | GRIT | STD. PKG. | PART #      |
|--|------|-----------|-------------|
| <b>Sand-O-Flex Wheel</b>   |      |           |             |
| 350-RP   |      | 1         | 08834111051 |
| <i>Comes assembled with 80 grit A/O resin bond scored refill and brushes</i> |      |           |             |
| <b>Sand-O-Flex Accessories</b>   |      |           |             |
| Bench Grinder Adapter 350-RP 1/4 shank to 1/2 shank                          |      | 1         | 08834111055 |
| Replacement Brushes for 350-RP; 8 per set                                    |      | 1 set     | 08834113003 |
| <b>Resin Bond Refills</b>  |      |           |             |
| 350-RP SCORED  | 60   | 10        | 08834111052 |
|  | 80   | 10        | 08834111053 |
|  | 100  | 10        | 08834112114 |
|  | 120  | 10        | 08834111054 |
|  | 180  | 10        | 08834111057 |
| <b>Glue Bond Refills</b>   |      |           |             |
| 350-RP SCORED  | 80   | 10        | 08834112054 |
|  | 100  | 10        | 08834112055 |
|  | 120  | 10        | 08834112056 |
|  | 180  | 10        | 08834112058 |
| 350-RP UNSCORED  | 80   | 10        | 08834112044 |
|  | 180  | 10        | 08834112048 |

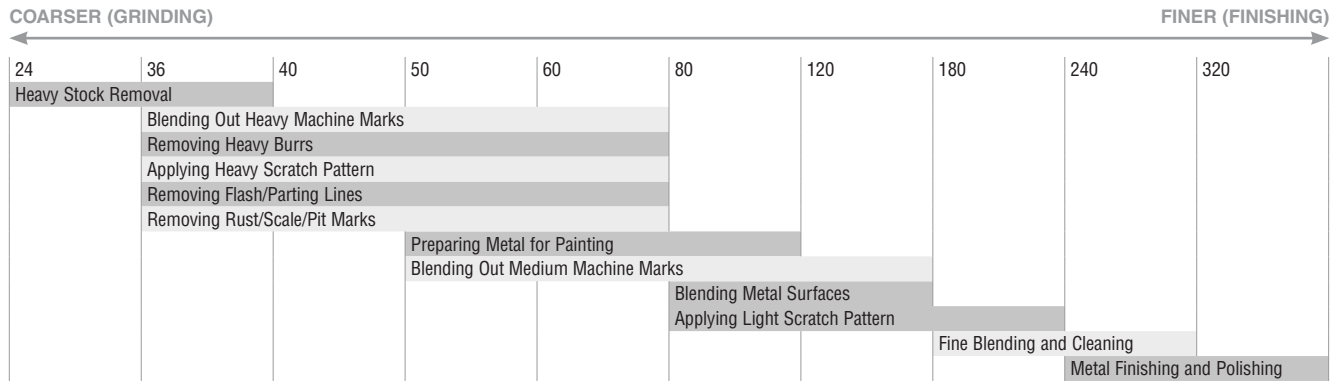




Best product for blending and polishing contours when smooth running is a primary concern. Used for finishing hard-to-reach areas, removing parting lines, imperfections, and burrs on all surfaces.

- Benefits: Spiral construction avoids shadow marks and provides smooth, chatter-free cutting action. Achieves close tolerances when finishing curved, contoured, and hard-to-reach areas. Fast cutting and removes toughest metal. Bands are easily removed and replaced
- Grit Range: 24 - 320
- Abrasive Grain: Ceramic Alumina, Aluminum Oxide
- Backing: X-weight cotton
- Other: Use with rubber expanding drum
- Machine Used:

## APPLICATION/GRIT RECOMMENDATION GUIDE



## NORTON BLAZE R920 CERAMIC ALUMINA

**BEST CHOICE FOR HARD-TO-GRIND MATERIALS INCLUDING SUPER ALLOYS (COBALT, INCONEL, AND TITANIUM) AND STAINLESS STEEL**



### FEATURES & BENEFITS

- See significantly faster, cooler, burn-free grinding from our next-generation of sharp, ceramic abrasive grains
- Advanced, full resin bond system designed to promote exceptional grain retention for additional product life
- Flexible, yet strong X-weight heavy cotton backing provides durability and even wear while eliminating aggressiveness for smooth, chatter-free cutting action, and longer life for less change-overs
- Advanced grinding aid promotes cooler cutting, longer life

## NORTON R326 PREMIUM ALUMINUM OXIDE BLEND

**BETTER CHOICE FOR STAINLESS STEEL, CARBON STEEL, AND ALUMINUM**



### FEATURES & BENEFITS

- Versatile, premium aluminum oxide abrasive blend provides up to 3 times the life and cut rate of competitive aluminum oxide bands
- Flexible, yet strong X-weight heavy cotton backing provides durability and even wear while eliminating aggressiveness for smooth, chatter-free cutting action, and longer life for less change-overs
- Advanced, full resin bond system designed to promote exceptional grain retention for additional product life
- Advanced grinding aid lubricant for cooler, smoother cutting

## NORTON METAL R265 ALUMINUM OXIDE

**GOOD CHOICE WHEN INITIAL PRICE IS A KEY PURCHASING CRITERIA**



### FEATURES & BENEFITS

- Solid-performance aluminum oxide grain for a good starting specification with consistent performance
- Advanced, full resin bond system designed to promote exceptional grain retention for additional product life
- Flexible, yet strong X-weight heavy cotton backing provides durability and even wear



## MERIT ALUMINUM OXIDE

### GOOD STARTING SPECIFICATION FOR ALL TYPES OF METAL

#### FEATURES & BENEFITS

- Tough and durable quality aluminum oxide abrasive
- Flexible, yet strong X-weight cotton backing construction for extended durability and even wear
- Durable resin bond system provides longer life



TIER: **BEST**

BRAND: Norton

TRADENAME: **BLAZE R920**

ABRASIVE: Ceramic Alumina

OTHER: Supersize

TIER: **BETTER**

BRAND: Norton

TRADENAME: **R326**

ABRASIVE: Premium A/O Blend

OTHER: Supersize

TIER: **GOOD**

BRAND: Norton

TRADENAME: **METAL R265**

ABRASIVE: Aluminum Oxide

TIER: **GOOD**

TRADENAME: **EXPANDING RUBBER DRUM**

| SIZE (D x W)  | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #          |
|---------------|------|-----------|-------------|-------------|-------------|-----------------|
| 1/2 x 1       | 40   | 100       | 66261146012 | 66261146036 | 66261146078 | 08834196906     |
|               | 60   | 100       | 66261146013 | 66261146037 | 66261146079 | 1/4" shank      |
|               | 80   | 100       | 66261146014 | 66261146038 | 66261146080 | 15,000 Max. RPM |
|               | 120  | 100       | 66261146015 | 66261146044 | 66261146081 |                 |
| 3/4 x 1       | 40   | 100       | 66261146016 | 66261146048 | 66261146082 | 08834196911     |
|               | 60   | 100       | 66261146017 | 66261146049 | 66261146083 | 1/4" shank      |
|               | 80   | 100       | 66261146018 | 66261146050 | 66261146084 | 17,000 MAX. RPM |
|               | 120  | 100       | 66261146019 | 66261146051 | 66261146085 |                 |
| 1 x 1         | 40   | 100       | 66261146020 | 66261146052 | 66261146086 | 08834196916     |
|               | 60   | 100       | 66261146021 | 66261146053 | 66261146087 | 1/4" shank      |
|               | 80   | 100       | 66261146022 | 66261146054 | 66261146088 | 18,000 MAX. RPM |
|               | 120  | 100       | 66261146023 | 66261146055 | 66261146089 |                 |
| 1-1/2 x 1-1/2 | 40   | 100       | 66261146024 | 66261146057 | 66261146090 | 08834196922     |
|               | 60   | 100       | 66261146025 | 66261146058 | 66261146093 | 1/4" shank      |
|               | 80   | 100       | 66261146026 | 66261146059 | 66261146094 | 10,000 MAX. RPM |
|               | 120  | 100       | 66261146027 | 66261146060 | 66261146095 |                 |
| 2 x 2         | 40   | 100       | 66261146028 | 66261146061 | 66261146096 | 08834196928     |
|               | 60   | 100       | 66261146029 | 66261146062 | 66261146097 | 1/4" shank      |
|               | 80   | 100       | 66261146030 | 66261146063 | 66261146098 | 6,000 MAX. RPM  |
|               | 120  | 100       | 66261146031 | 66261146064 | 66261146099 |                 |
| 3 x 3         | 40   | 50        | 66261146032 | 66261146065 | 66261146100 | 08834196931     |
|               | 60   | 50        | 66261146033 | 66261146073 | 66261146101 | 3/8" shank      |
|               | 80   | 50        | 66261146034 | 66261146074 | 66261146102 | 3,000 MAX. RPM  |
|               | 120  | 50        | 66261146035 | 66261146076 | 66261146103 |                 |

TIER: **GOOD**

BRAND: Merit

ABRASIVE: Aluminum Oxide

| GRIT            | 1/4 x 1/2   | 1/4 x 1     | 3/8 x 1/2   | 3/8 x 1     | 1/2 x 1/2   | 1/2 x 1     | 1/2 x 1-1/2 | 1/2 x 2     |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 24              | -           | -           | -           | -           | -           | 08834196712 | -           | -           |
| 36              | -           | -           | -           | 08834197674 | 08834196619 | 08834196591 | 08834196237 | 08834196758 |
| 40              | 08834196614 | -           | -           | -           | 08834196234 | 08834196174 | -           | 08834196825 |
| 50              | 08834196292 | 08834196785 | 08834196386 | -           | 08834196228 | 08834196214 | 08834197111 | 08834196548 |
| 60              | 08834196342 | -           | 08834196829 | 08834196999 | 08834196068 | 08834196212 | 08834196053 | 08834196549 |
| 80              | 08834196269 | 08834196733 | 08834196512 | 08834196645 | 08834196179 | 08834196215 | 08834196646 | 08834196669 |
| 100             | 08834196511 | 08834196734 | 08834196513 | -           | 08834196189 | 08834196534 | 08834196540 | 08834196735 |
| 120             | 08834196217 | 08834197004 | 08834196747 | 08834196218 | 08834196069 | 08834196210 | 08834196324 | 08834196736 |
| 150             | -           | -           | -           | -           | -           | 08834196772 | -           | -           |
| 180             | 08834196490 | -           | 08834196504 | -           | 08834196209 | 08834196713 | -           | -           |
| 240             | -           | -           | 08834196481 | -           | 08834196564 | 08834196814 | -           | -           |
| 320             | 08834196865 | -           | 08834196830 | -           | 08834196505 | 08834196487 | -           | -           |
| PKG. QTY. STOCK | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     |
| MOQ NON-STOCK   | 400         | 400         | 300         | 300         | 300         | 300         | 300         | 200         |

#### Expanding Rubber Drums



|             |    |             |             |             |             |             |             |
|-------------|----|-------------|-------------|-------------|-------------|-------------|-------------|
| 1/8 Shank   | NA | 1/8 Shank   | 1/8 Shank   | 1/4 Shank   | 1/4 Shank   | 1/4 Shank   | 1/4 Shank   |
| 30,000 RPM  |    | 30,000 RPM  | 18,000 RPM  | 30,000 RPM  | 15,000 RPM  | 12,000 RPM  | 10,000 RPM  |
| 08834196030 |    | 08834196944 | 08834196011 | 08834196904 | 08834196906 | 08834196907 | 08834196908 |

MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status.

TIER: **GOOD**  
BRAND: Merit  
ABRASIVE: Aluminum Oxide

| GRIT            | 3/4 x 1/2   | 3/4 x 3/4   | 3/4 x 1     | 3/4 x 1-1/2 | 3/4 x 2     | 1 x 1/2     | 1 x 1       | 1 x 1-1/2   |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 24              | -           | -           | 08834196776 | 08834196596 | -           | -           | 08834196563 | 08834196708 |
| 36              | 08834196769 | 08834196609 | 08834196261 | 08834196238 | 08834196953 | 08834196058 | 08834196072 | 08834196525 |
| 40              | -           | 08834196236 | 08834196517 | 08834196227 | 08834196826 | -           | 08834196073 | 08834196546 |
| 50              | 08834196608 | 08834196183 | 08834196515 | 08834196500 | 08834196757 | -           | 08834196184 | 08834196078 |
| 60              | 08834196578 | 08834196168 | 08834196070 | 08834196554 | 08834196745 | 08834196580 | 08834196075 | 08834196060 |
| 80              | 08834196255 | 08834196161 | 08834196071 | 08834196249 | 08834196756 | 08834196647 | 08834196074 | 08834196162 |
| 100             | -           | 08834196230 | 08834196502 | 08834196501 | 08834196766 | -           | 08834196167 | 08834196257 |
| 120             | 08834196579 | 08834196226 | 08834196219 | 08834196057 | 08834196746 | 08834197592 | 08834196177 | 08834196677 |
| 150             | -           | 08834196231 | -           | -           | 08834197283 | -           | -           | 08834197639 |
| 180             | 08834197116 | -           | 08834196565 | 08834196851 | -           | -           | 08834196059 | 08834196790 |
| 240             | 08834196603 | 08834196859 | 08834196668 | -           | 66254410751 | -           | 08834196178 | 08834196526 |
| 320             | 08834196806 | -           | 08834196624 | -           | -           | -           | 08834196789 | 08834197700 |
| PKG. QTY. STOCK | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     |
| MOQ NON-STOCK   | 300         | 300         | 300         | 300         | 200         | 200         | 300         | 200         |

**Expanding Rubber Drums**



|             |             |             |             |             |             |             |             |           |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| 1/4 Shank   | 1/4 Shank   | 1/4 Shank   | 1/4 Shank   | 1/4 Shank   | 1/4 Shank   | 1/4 Shank   | 1/4 Shank   | 1/4 Shank |
| 27,000 RPM  | 24,000 RPM  | 17,000 RPM  | 10,000 RPM  | 10,000 RPM  | 20,000 RPM  | 18,000 RPM  | 10,000 RPM  |           |
| 08834196909 | 08834196910 | 08834196911 | 08834196912 | 08834196913 | 08834196914 | 08834196916 | 08834196917 |           |

MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status.

TIER: **GOOD**  
BRAND: Merit  
ABRASIVE: Aluminum Oxide

| GRIT            | 1 x 2       | 1 x 3       | 1-1/2 x 1   | 1-1/2 x 1-1/2 | 1-1/2 x 2   | 1-1/2 x 3   | 2 x 1       | 2 x 1-1/2   |
|-----------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|
| 24              | 08834196709 | -           | -           | 08834196220   | 08834196539 | -           | -           | 08834196700 |
| 36              | 08834196267 | 08834196665 | 08834196222 | 08834196164   | 08834196657 | 08834197063 | 08834196233 | 08834196509 |
| 40              | 08834196689 | -           | -           | 08834196171   | 08834196598 | -           | 08834196109 | 08834196514 |
| 50              | 08834196588 | 08834197688 | 08834196185 | 08834196176   | 08834196252 | -           | 08834196186 | 08834196527 |
| 60              | 08834196506 | 08834196676 | 08834196503 | 08834196091   | 08834196067 | 08834196703 | 08834196232 | 08834196978 |
| 80              | 08834196268 | 08834196195 | 08834196254 | 08834196165   | 08834196533 | 08834196809 | 08834196166 | 08834196259 |
| 100             | 08834196750 | -           | -           | 08834196182   | 08834196543 | 08834196522 | 08834196508 | 08834196521 |
| 120             | 08834196507 | 08834196197 | 08834196707 | 08834196066   | 08834196079 | 08834196343 | 08834196595 | 08834196586 |
| 150             | 08834197664 | -           | -           | 08834197750   | 08834197376 | -           | -           | -           |
| 180             | 08834196987 | -           | -           | 08834196535   | -           | 08834197869 | 08834196661 | 08834196536 |
| 240             | -           | -           | 08834196491 | 08834196260   | 08834197709 | -           | 08834197983 | -           |
| 320             | -           | -           | 08834196063 | 08834197647   | -           | -           | -           | -           |
| PKG. QTY. STOCK | 100/box     | 100/box     | 100/box     | 100/box       | 100/box     | 100/box     | 100/box     | 100/box     |
| MOQ NON-STOCK   | 200         | 100         | 300         | 200           | 200         | 100         | 200         | 200         |

**Expanding Rubber Drums**



|             |    |             |             |             |    |             |             |
|-------------|----|-------------|-------------|-------------|----|-------------|-------------|
| 1/4 Shank   | NA | 1/4 Shank   | 1/4 Shank   | 1/4 Shank   | NA | 1/4 Shank   | 1/4 Shank   |
| 8,000 RPM   |    | 12,000 RPM  | 10,000 RPM  | 8,000 RPM   |    | 11,000 RPM  | 8,000 RPM   |
| 08834196918 |    | 08834196921 | 08834196922 | 08834196923 |    | 08834196926 | 08834196927 |

MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status.

TIER: **GOOD**  
BRAND: Merit  
ABRASIVE: Aluminum Oxide

| GRIT            | 2 x 2       | 2 x 3       | 2-1/4 x 3   | 3 x 1       | 3 x 1-1/2   | 3 x 2       | 3 x 3       |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 24              | 08834196516 | -           | -           | 08834196795 | -           | -           | 08834196256 |
| 36              | 08834196110 | -           | 08834197140 | 08834196717 | -           | -           | 08834196262 |
| 40              | 08834196172 | -           | -           | 08834196755 | -           | 08834196090 | 08834196555 |
| 50              | 08834196187 | 08834196152 | 08834196620 | -           | -           | 08834196264 | 08834196253 |
| 60              | 08834196173 | 08834196175 | -           | 08834196150 | -           | 08834196530 | 08834196188 |
| 80              | 08834196181 | 08834196198 | 08834196270 | 08834196524 | 08834196633 | 08834196265 | 08834196159 |
| 100             | 08834196193 | -           | -           | -           | -           | -           | 08834196250 |
| 120             | 08834196585 | -           | 08834196729 | 08834196089 | -           | 08834196531 | 08834196572 |
| 150             | 08834196629 | -           | 08834195857 | -           | -           | -           | 08834196452 |
| 180             | 08834196306 | -           | -           | -           | -           | -           | 08834196131 |
| 240             | 08834196375 | -           | -           | -           | -           | -           | -           |
| 320             | -           | -           | -           | -           | -           | -           | 08834197968 |
| PKG. QTY. STOCK | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     |
| MOQ NON-STOCK   | 200         | 100         | 100         | 200         | 200         | 100         | 100         |

**Expanding Rubber Drums**



|             |    |    |             |    |             |             |
|-------------|----|----|-------------|----|-------------|-------------|
| 1/4 Shank   | NA | NA | 3/8 Shank   | NA | 3/8 Shank   | 3/8 Shank   |
| 6,000 RPM   |    |    | 3,000 RPM   |    | 3,000 RPM   | 3,000 RPM   |
| 08834196928 |    |    | 08834196929 |    | 08834196930 | 08834196931 |

MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status.

Cartridge rolls are strips of abrasive cloth rolled and glued to form a solid shape that is designed to break down during use and reveal the next layer of abrasive. Valuable abrasive tool for reaching into corners, where larger diameter tools cannot work

- Applications:** Used on inside surfaces and inside corners where other abrasive shapes cannot reach. Typically these are used on high-speed air grinders and are always mounted on a mandrel. Ideal for flash removal, polishing or removing machine tool marks, and edge breaking.
- Stock Shapes:** Cartridge rolls, half-glued
- Grit Range:** 36 - 320
- Abrasive Grain:** Ceramic Alumina, Aluminum Oxide, Silicon Carbide
- Backing:** X-weight cotton
- Construction:** All cartridge roll part numbers shown are resin bond, half-glued. Quarter and full glue are also available for quotation as made-to-order products.
- Maximum RPM:** 1/8" to 1/2" – 23,000  
5/8" to 1" – 18,000  
1" to 1-1/2" – 15,000
- Machine Used:**

## APPLICATION/GRIT RECOMMENDATION GUIDE

| COARSER (GRINDING)               |    |                                   |                                |    |                            |     |                               |     | FINER (FINISHING) |
|----------------------------------|----|-----------------------------------|--------------------------------|----|----------------------------|-----|-------------------------------|-----|-------------------|
| 36                               | 40 | 50                                | 60                             | 80 | 120                        | 180 | 240                           | 320 |                   |
| Blending Out Heavy Machine Marks |    |                                   |                                |    |                            |     |                               |     |                   |
| Removing Heavy Burrs             |    |                                   |                                |    |                            |     |                               |     |                   |
| Applying Heavy Scratch Pattern   |    |                                   |                                |    |                            |     |                               |     |                   |
| Removing Flash/Parting Lines     |    |                                   |                                |    |                            |     |                               |     |                   |
| Removing Rust/Scale/Pit Marks    |    |                                   |                                |    |                            |     |                               |     |                   |
|                                  |    | Preparing Metal for Painting      |                                |    |                            |     |                               |     |                   |
|                                  |    | Blending Out Medium Machine Marks |                                |    |                            |     |                               |     |                   |
|                                  |    |                                   | Blending Metal Surfaces        |    |                            |     |                               |     |                   |
|                                  |    |                                   | Applying Light Scratch Pattern |    |                            |     |                               |     |                   |
|                                  |    |                                   |                                |    | Fine Blending and Cleaning |     |                               |     |                   |
|                                  |    |                                   |                                |    |                            |     | Metal Finishing and Polishing |     |                   |

## NORTON BLAZE R920 CERAMIC ALUMINA

**BEST CHOICE FOR HARD-TO-GRIND MATERIALS INCLUDING SUPER ALLOYS (COBALT, INCONEL, AND TITANIUM) AND STAINLESS STEEL**

### FEATURES & BENEFITS

- Next-generation ceramic alumina abrasive grain provides greatest productivity with significantly faster cut rates
- Resists wear, resulting in 50% – 300% longer life
- Advanced grinding aid promotes cooler cutting, longer life
- Improved resin bond system for exceptional grain retention and longer life
- Strong X-weight cotton backing provides durability and even wear

## MERIT CERAMIC PLUS

**BETTER CHOICE FOR STAINLESS STEEL AND OTHER HARD-TO-GRIND MATERIALS**

### FEATURES & BENEFITS

- Sharp ceramic alumina abrasive blend delivers cooler cut
- Durable X-weight cotton backing ensures even wear
- Grinding aid promotes cooler cut on stainless steel

## NORTON R326 PREMIUM ALUMINUM OXIDE BLEND

**BETTER CHOICE FOR STAINLESS AND CARBO STEEL, AND ALUMINUM**

### FEATURES & BENEFITS

- Cut cooler and smoother, with up to 3X the life and cut rate over competitive aluminum oxide cartridge rolls, with our versatile, premium aluminum oxide blend and advanced grinding aid lubricant

## MERIT ALUMINUM OXIDE PLUS

**GOOD STARTING SPECIFICATION FOR FLASH REMOVAL, POLISHING, OR REMOVING MACHINE TOOL MARKS AND EDGE BREAKING ON ALL TYPES OF METAL**

### FEATURES & BENEFITS

- Premium aluminum oxide abrasive and grinding aid lubricant control aggressiveness while cool cutting
- Advanced, full resin bond system ensures edge adhesion and long life

## NORTON METAL R265 ALUMINUM OXIDE

**GOOD CHOICE WHEN INITIAL PRICE IS A KEY PURCHASING CRITERIA**

### FEATURES & BENEFITS

- Our solid-performance aluminum oxide grain makes these cartridge rolls a good starting specification with consistent performance for small jobs or anywhere performance need not be measured

## MERIT ALUMINUM OXIDE

**GOOD STARTING SPECIFICATION FOR FLASH REMOVAL, POLISHING, OR REMOVING MACHINE TOOL MARKS AND EDGE BREAKING ON ALL TYPES OF METAL**

### FEATURES

- Quality aluminum oxide abrasive
- Strong X-weight cotton backing construction
- Durable resin bond system

### BENEFITS

- Tough and durable
- For extended durability and even wear
- Provides longer life

## MERIT SILICON CARBIDE

**GOOD CHOICE FOR TOUGH, DIFFICULT-TO-GRIND MATERIALS, AS WELL AS SOFT, LOADING MATERIALS**

### FEATURES

- Sharp silicon carbide abrasive
- Durable resin bond system

### BENEFITS

- Provides high initial cut on non-ferrous and soft-loading materials such as titanium, masonry, composites, plastic, and rubber
- Exceptional grain retention and longer life





| TIER:      | <b>BEST</b>       | <b>BETTER</b>         | <b>BETTER</b>     | <b>GOOD</b>     | <b>GOOD</b>            |
|------------|-------------------|-----------------------|-------------------|-----------------|------------------------|
| BRAND:     | Norton            | Merit                 | Norton            | Merit           | Merit                  |
| TRADENAME: | <b>BLAZE R920</b> | <b>CERAMIC PLUS</b>   | <b>R326</b>       | <b>A/O PLUS</b> | <b>SILICON CARIBDE</b> |
| ABRASIVE:  | Ceramic Alumina   | Ceramic Alumina Blend | Premium A/O Blend | Aluminum Oxide  | Silicon Carbide        |
| OTHER:     | Supersize         | Supersize             | Supersize         | Supersize       |                        |

| SIZE (D x L x H)                     | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|--------------------------------------|------|-----------|-------------|-------------|-------------|-------------|-------------|
| 1/4 x 1 x 1/8<br>Use M-9 Mandrel     | 60   | 100       |             |             | 66261132201 |             |             |
| 1/4 x 1-1/2 x 1/8<br>Use M-9 Mandrel | 60   | 100       | 66261194384 | 66261040477 |             |             | 08834183274 |
|                                      | 80   | 100       | 66261194394 | 69957300001 | 66261132202 |             | 08834182359 |
|                                      | 120  | 100       | 66261194397 |             | 66261132203 | 77696089003 | 08834189131 |
| 3/8 x 1-1/2 x 1/8<br>Use M-9 Mandrel | 60   | 100       | 66261194392 | 66261041270 | 66261132204 |             |             |
|                                      | 80   | 100       | 66261194395 | 08834187134 | 66261132205 | 77696089005 | 08834180710 |
|                                      | 120  | 100       | 66261194398 |             | 66261132206 |             | 66261042229 |
| 1/2 x 1-1/2 x 1/8<br>Use M-9 Mandrel | 60   | 100       | 66261194393 | 08834184221 | 66261132207 | 77696089007 | 08834189233 |
|                                      | 80   | 100       | 66261194396 | 66261012798 | 66261132208 | 77696089008 | 08834180712 |
|                                      | 120  | 100       | 66261194399 |             | 66261132209 |             | 66261086969 |



| TIER:      | <b>GOOD</b>       | <b>GOOD</b>    |
|------------|-------------------|----------------|
| BRAND:     | Norton            | Merit          |
| TRADENAME: | <b>METAL R265</b> | <b>A/O</b>     |
| ABRASIVE:  | Aluminum Oxide    | Aluminum Oxide |

| SIZE (D x L x H)       | GRIT | STD. PKG. | PART #      |
|------------------------|------|-----------|-------------|
| 3/16 x 3/4 x 3/32      | 80   | 100       | 08834180005 |
| 3/16 x 1 x 3/32        | 60   | 100       | 08834180023 |
| Use M-2E Mandrel       | 80   | 100       | 08834180024 |
|                        | 100  | 100       | 08834180025 |
|                        | 120  | 100       | 08834180026 |
|                        | 150  | 100       | 08834180027 |
|                        | 180  | 100       | 08834180028 |
|                        | 240  | 100       | 08834180030 |
|                        | 320  | 100       | 08834180032 |
| 1/4 x 3/4 x 1/8        | 60   | 100       | 08834180042 |
| Use M-3 or M-7 Mandrel | 80   | 100       | 08834180043 |
| 1/4 x 1 x 1/8          | 50   | 100       | 08834180060 |
| Use M-4 or M-8 Mandrel | 60   | 100       | 66261132175 |
|                        | 80   | 100       | 66261132178 |
|                        | 100  | 100       | 08834180063 |
|                        | 120  | 100       | 66261132179 |
|                        | 150  | 100       | 08834180065 |
|                        | 180  | 100       | 08834180066 |
|                        | 240  | 100       | 08834180068 |
|                        | 320  | 100       | 08834180070 |
| 1/4 x 1-1/2 x 1/8      | 50   | 100       | 08834180079 |
| Use M-9 Mandrel        | 60   | 100       | 66261132182 |
|                        | 80   | 100       | 66261132183 |
|                        | 100  | 100       | 08834180082 |
|                        | 120  | 100       | 66261132184 |
|                        | 150  | 100       | 08834180084 |
|                        | 180  | 100       | 08834180085 |
|                        | 320  | 100       | 08834180089 |
| 1/4 x 2 x 1/8          | 80   | 100       | 08834180100 |
| Use M-10 Mandrel       | 100  | 100       | 08834180101 |
|                        | 120  | 100       | 08834180102 |
| 5/16 x 1 x 1/8         | 60   | 100       | 08834180137 |
| Use M-4 or M-8 Mandrel | 80   | 100       | 08834180138 |
|                        | 120  | 100       | 08834180140 |



| TIER:      | <b>GOOD</b>       | <b>GOOD</b>    |
|------------|-------------------|----------------|
| BRAND:     | Norton            | Merit          |
| TRADENAME: | <b>METAL R265</b> | <b>A/O</b>     |
| ABRASIVE:  | Aluminum Oxide    | Aluminum Oxide |

| SIZE (D x L x H)   | GRIT | STD. PKG. | PART #      |
|--------------------|------|-----------|-------------|
| 5/16 x 1-1/2 x 1/8 | 60   | 100       | 08834180156 |
| Use M-9 Mandrel    | 80   | 100       | 08834180157 |
| 3/8 x 3/4 x 1/8    | 120  | 100       | 08834180197 |
| Use M-7 Mandrel    |      |           |             |
| 3/8 x 1 x 1/8      | 60   | 100       | 66261132185 |
| Use M-8 Mandrel    | 80   | 100       | 66261132186 |
|                    | 100  | 100       | 08834180215 |
|                    | 120  | 100       | 66261132187 |
|                    | 150  | 100       | 08834180217 |
|                    | 180  | 100       | 08834180218 |
|                    | 240  | 100       | 08834180220 |
| 3/8 x 1-1/2 x 1/8  | 36   | 100       | 08834180228 |
| Use M-9 Mandrel    | 40   | 100       | 08834180229 |
|                    | 50   | 100       | 08834180230 |
|                    | 60   | 100       | 66261132188 |
|                    | 80   | 100       | 66261132189 |
|                    | 100  | 100       | 08834180233 |
|                    | 120  | 100       | 66261132190 |
|                    | 180  | 100       | 08834180236 |
|                    | 240  | 100       | 08834180238 |
|                    | 320  | 100       | 08834180240 |
| 3/8 x 2 x 1/8      | 60   | 100       | 08834180250 |
| Use M-10 Mandrel   | 80   | 100       | 08834180251 |
|                    | 100  | 100       | 08834180252 |
|                    | 120  | 100       | 08834180253 |
| 1/2 x 3/4 x 1/8    | 80   | 100       | 08834180270 |
| Use M-7 Mandrel    |      |           |             |
| 1/2 x 1 x 1/8      | 50   | 100       | 08834180287 |
| Use M-8 Mandrel    | 60   | 100       | 66261132191 |
|                    | 80   | 100       | 66261132192 |
|                    | 100  | 100       | 08834180290 |
|                    | 120  | 100       | 66261132193 |
|                    | 150  | 100       | 08834180291 |
|                    | 180  | 100       | 08834180292 |
|                    | 240  | 100       | 08834180293 |
|                    |      |           | 08834180295 |

MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status.  
Continued

Continued



TIER: **GOOD** **GOOD**  
 BRAND: Norton Merit  
 TRADENAME: **METAL R265** **A/O**  
 ABRASIVE: Aluminum Oxide Aluminum Oxide

| SIZE (D x L x H)                     | GRIT                                   | STD. PKG. | PART #                  |
|--------------------------------------|--|-----------|-------------------------|
| 1/2 x 1-1/2 x 1/8<br>Use M-9 Mandrel | 36                                     | 100       | 08834180304             |
|                                      | 40                                     | 100       | 08834180305             |
|                                      | 50                                     | 100       | 08834180306             |
|                                      | 60                                     | 100       | 66261132194 08834180307 |
|                                      | 80                                     | 100       | 66261132195 08834180308 |
|                                      | 100                                    | 100       | 08834180309             |
|                                      | 120                                    | 100       | 66261132197 08834180310 |
|                                      | 150                                    | 100       | 08834180311             |
|                                      | 180                                    | 100       | 08834180312             |
|                                      | 240                                    | 100       | 08834180314             |
| 1/2 x 2 x 1/8<br>Use M-10 Mandrel    | 320                                    | 100       | 08834180316             |
|                                      | 60                                     | 100       | 08834180326             |
|                                      | 80                                     | 100       | 08834180327             |
|                                      | 100                                    | 100       | 08834180328             |
|                                      | 120                                    | 100       | 08834180329             |
|                                      | 240                                    | 100       | 08834180333             |
| 1/2 x 2 x 3/16<br>Use M-17 Mandrel   | 320                                    | 100       | 08834180335             |
|                                      | 60                                     | 100       | 08834180350             |
|                                      | 80                                     | 100       | 08834180653             |
| 1/2 x 2 x 1/4<br>Use M-22 Mandrel    | 120                                    | 100       | 08834180338             |
|                                      | 40                                     | 100       | 08834183168             |
|                                      | 80                                     | 100       | 08834180351             |
| 5/8 x 1 x 3/16<br>Use M-15 Mandrel   | 80                                     | 100       | 08834180364             |
|                                      | 36                                     | 100       | 08834180395             |
| 5/8 x 1-1/2 x 1/8<br>Use M-9 Mandrel | 40                                     | 100       | 08834180392             |
|                                      | 50                                     | 100       | 08834180393             |
|                                      | 60                                     | 100       | 08834180275             |
|                                      | 80                                     | 100       | 08834180789             |
|                                      | 120                                    | 100       | 08834180394             |
|                                      | 5/8 x 1-1/2 x 3/16<br>Use M-16 Mandrel | 60        | 100                     |
| 5/8 x 2 x 1/8<br>Use M-10 Mandrel    | 80                                     | 100       | 08834180383             |
|                                      | 60                                     | 100       | 08834182505             |
| 5/8 x 2 x 3/16<br>Use M-10 Mandrel   | 80                                     | 100       | 08834181080             |
|                                      | 50                                     | 100       | 08834180400             |
|                                      | 60                                     | 100       | 08834180401             |
|                                      | 80                                     | 100       | 08834180402             |
|                                      | 100                                    | 100       | 08834180403             |
| 3/4 x 1 x 1/8<br>Use M-8 Mandrel     | 80                                     | 100       | 08834180469             |
|                                      | 120                                    | 100       | 08834181543             |

Continued




TIER: **GOOD** **GOOD**  
 BRAND: Norton Merit  
 TRADENAME: **METAL R265** **A/O**  
 ABRASIVE: Aluminum Oxide Aluminum Oxide

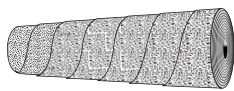
| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #                  |
|---|------|-----------|-------------------------|
| 3/4 x 1 x 3/16<br>Use M-15 Mandrel                        | 40   | 100       | 08834180456             |
|   | 80   | 100       | 08834180459             |
|   | 120  | 100       | 08834180461             |
| 3/4 x 1-1/2 x 1/8<br>Use M-9 Mandrel                      | 60   | 100       | 66261132198 08834180490 |
|   | 80   | 100       | 66261132199 08834180527 |
|   | 120  | 100       | 66261132200 08834180487 |
| 3/4 x 1-1/2 x 3/16<br>Use M-16 Mandrel                    | 36   | 100       | 08834180474             |
|   | 50   | 100       | 08834180476             |
|   | 60   | 100       | 08834180477             |
|   | 80   | 100       | 08834180478             |
|   | 120  | 100       | 08834180480             |
|   | 180  | 100       | 08834180482             |
| 3/4 x 1-1/2 x 1/4<br>100/box 400/case<br>Use M-21 Mandrel | 36   | 100       | 08834180907             |
|   | 60   | 100       | 08834180489             |
|   | 80   | 100       | 08834180358             |
|   | 120  | 100       | 08834180488             |
| 3/4 x 2 x 1/8<br>Use M-10 Mandrel                         | 150  | 100       | 08834182807             |
|   | 60   | 100       | 08834180791             |
| 3/4 x 2 x 3/16<br>Use M-17 Mandrel                        | 40   | 100       | 08834180494             |
|   | 60   | 100       | 08834180496             |
|   | 80   | 100       | 08834180497             |
|   | 100  | 100       | 08834180498             |
| 3/4 x 2 x 1/4<br>Use M-22 Mandrel                         | 120  | 100       | 08834180499             |
|   | 60   | 100       | 08834180506             |
|   | 80   | 100       | 08834181297             |
| 1 x 1-1/2 x 1/8<br>Use M-9 Mandrel                        | 100  | 100       | 08834180509             |
|   | 120  | 100       | 08834180507             |
|   | 80   | 100       | 08834180584             |
| 1 x 1-1/2 x 1/4<br>Use M-21 Mandrel                       | 36   | 100       | 08834181195             |
|   | 60   | 100       | 08834180587             |
|   | 80   | 100       | 08834180583             |
| 1 x 2 x 3/16<br>Use M-17 Mandrel                          | 60   | 100       | 08834180591             |
|   | 80   | 100       | 08834180592             |
| 1 x 2 x 1/4<br>Use M-22 Mandrel                           | 60   | 100       | 08834180603             |
|   | 80   | 100       | 08834180606             |

MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status.

Refer to the back of this section for mandrels.

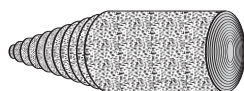
Spiral rolls are strips of abrasive cloth rolled and glued to form a solid shape that is designed to break down during use and reveal the next layer of abrasive.

- Applications:** Used on inside surfaces and inside corners where other abrasive shapes cannot reach. Typically these are used on high-speed air grinders and are always mounted on a mandrel. Ideal for flash removal, polishing, or removing machine tool marks, and edge breaking.
- Shapes:** Full taper (all stock part numbers), half taper, and sidewall taper
- Grit Range:** 36 - 240
- Abrasive Grain:** Ceramic Alumina, Aluminum Oxide, Silicon Carbide
- Backing:** X-weight cotton
- Construction:** All spiral roll part numbers shown are full tapered, resin bond, half glued. Half-tapered and sidewall-tapered are available for quotation as made-to-order products. Quarter and full glue are also available for quotation as made-to-order products.
- Maximum RPM:** 1/8" to 1/2" – 23,000  
5/8" to 1" – 18,000  
1" to 1-1/2" – 15,000
- Machine Used:** 



**Full Taper**

- Especially useful for grinding/polishing of channels, fillets and radii, and deburring small holes
- Full taper used when the area to be finished is hard to reach with a full cartridge roll
- The tapered roll conforms to smaller areas
- Fits into irregular concaves, contours, channels



**Half Taper**

- Used when the area to be finished is not narrow but a beginning point on the roll is needed
- The portion of the roll that is not tapered is then used to finish off the sides



**Sidewall Taper**

- The portion of the roll that is tapered guides the roll down to the area to be finished
- The sidewall then finishes off the sides

**APPLICATION/GRIT RECOMMENDATION GUIDE**

| COARSER (GRINDING)               |    |                                   |    | FINER (FINISHING)              |     |                            |                               |     |
|----------------------------------|----|-----------------------------------|----|--------------------------------|-----|----------------------------|-------------------------------|-----|
| 36                               | 40 | 50                                | 60 | 80                             | 120 | 180                        | 240                           | 320 |
| Blending Out Heavy Machine Marks |    |                                   |    |                                |     |                            |                               |     |
| Removing Heavy Burrs             |    |                                   |    |                                |     |                            |                               |     |
| Applying Heavy Scratch Pattern   |    |                                   |    |                                |     |                            |                               |     |
| Removing Flash/Parting Lines     |    |                                   |    |                                |     |                            |                               |     |
| Removing Rust/Scale/Pit Marks    |    |                                   |    |                                |     |                            |                               |     |
|                                  |    | Preparing Metal for Painting      |    |                                |     |                            |                               |     |
|                                  |    | Blending Out Medium Machine Marks |    |                                |     |                            |                               |     |
|                                  |    |                                   |    | Blending Metal Surfaces        |     |                            |                               |     |
|                                  |    |                                   |    | Applying Light Scratch Pattern |     |                            |                               |     |
|                                  |    |                                   |    |                                |     | Fine Blending and Cleaning |                               |     |
|                                  |    |                                   |    |                                |     |                            | Metal Finishing and Polishing |     |

**NORTON BLAZE R920 CERAMIC ALUMINA**

**BEST CHOICE FOR HARD-TO-GRIND MATERIALS INCLUDING SUPER ALLOYS (COBALT, INCONEL, AND TITANIUM) AND STAINLESS STEEL**



**NEW**

**FEATURES**

- Next-generation ceramic alumina abrasive grain
- Advanced grinding aid
- Improved resin bond system
- Strong X-weight cotton backing

**BENEFITS**

- Greatest productivity with significantly faster cut rates
- Resists wear, resulting in 50% – 300% longer life
- Cooler cutting, longer life
- Exceptional grain retention and longer life
- Durability and even wear

## NORTON R326 PREMIUM ALUMINUM OXIDE BLEND

BETTER CHOICE FOR STAINLESS AND CARBO STEEL, AND ALUMINUM



NEW

### FEATURES & BENEFITS

- Cut cooler and smoother, with up to 3X the life and cut rate over competitive aluminum oxide spiral rolls, with our versatile, premium aluminum oxide blend and advanced grinding aid lubricant

## MERIT ALUMINUM OXIDE PLUS

GOOD CHOICE FOR COOLER GRINDING/POLISHING OF CHANNELS, FILLETS AND RADII, AND DEBURRING SMALL HOLES



### FEATURES

- Premium aluminum oxide abrasive and grinding aid lubricant
- Strong X-weight cotton backing construction
- Advanced, full resin bond system

### BENEFITS

- Runs cooler and more efficiently; ideal for grinding exotic alloys
- For extended durability and even wear
- Provides exceptional grain retention and longer life

## NORTON METAL R265 ALUMINUM OXIDE

GOOD CHOICE WHEN INITIAL PRICE IS A KEY PURCHASING CRITERIA



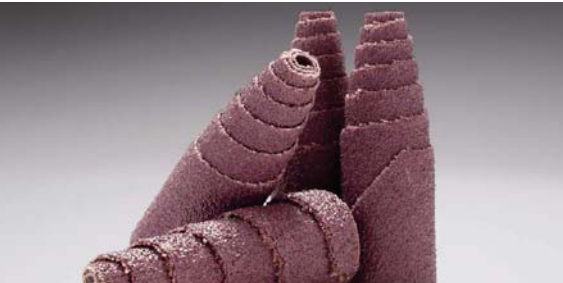
NEW

### FEATURES & BENEFITS

- Our solid-performance aluminum oxide grain makes these spiral rolls a good starting specification with consistent performance for small jobs or anywhere performance need not be measured

## MERIT ALUMINUM OXIDE

GOOD CHOICE FOR COOLER GRINDING/POLISHING OF CHANNELS, FILLETS AND RADII, AND DEBURRING SMALL HOLES AT A LOW INITIAL PRICE



### FEATURES

- Quality aluminum oxide abrasive
- Strong X-weight cotton backing construction
- Durable resin bond system

### BENEFITS

- For the buyer whose major purchasing criterion is low initial price
- Durability and even wear
- Exceptional grain adhesion and longer life

## MERIT SILICON CARBIDE

GOOD CHOICE FOR TOUGH, DIFFICULT-TO-GRIND MATERIALS, AS WELL AS SOFT, LOADING MATERIALS



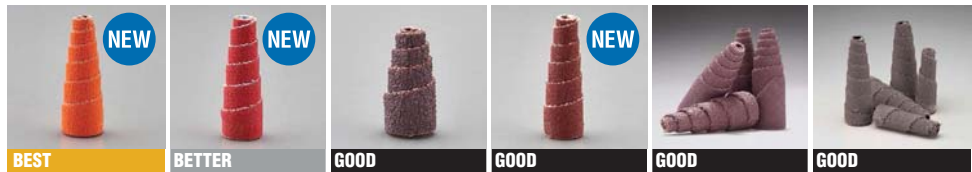
### FEATURES

- Sharp silicon carbide abrasive
- Durable resin bond system

### BENEFITS

- Provides high initial cut on non-ferrous and soft-loading materials such as titanium, masonry, composites, plastic, and rubber
- Exceptional grain retention and longer life





|            |                   |                              |                 |                   |                       |                        |
|------------|-------------------|------------------------------|-----------------|-------------------|-----------------------|------------------------|
| TIER:      | <b>BEST</b>       | <b>BETTER</b>                | <b>GOOD</b>     | <b>GOOD</b>       | <b>GOOD</b>           | <b>GOOD</b>            |
| BRAND:     | Norton            | Norton                       | Merit           | Norton            | Merit                 | Merit                  |
| TRADENAME: | <b>BLAZE R920</b> | <b>R326</b>                  | <b>A/O PLUS</b> | <b>METAL R265</b> | <b>ALUMINUM OXIDE</b> | <b>SILICON CARBIDE</b> |
| ABRASIVE:  | Ceramic Alumina   | Premium Aluminum Oxide Blend | Aluminum Oxide  | Aluminum Oxide    | Aluminum Oxide        | Silicon Carbide        |
| OTHER:     | Supersize         | Supersize                    | Supersize       |                   |                       |                        |

| SIZE (D x L x H)                       | GRIT | STD. PKG. |             |             |             |             | PART #      |             |
|--|------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| 3/8 x 1 x 1/8<br>Use M-8 Mandrel       | 60   | 100       |             |             |             |             | 66261132211 | 08834181714 |
|  | 80   | 100       |             |             |             |             | 66261132212 | 08834181715 |
|  | 120  | 100       |             |             |             |             | 66261132213 | 08834181717 |
|  | 180  | 100       |             |             |             |             |             | 08834181719 |
| 3/8 x 1-1/2 x 1/8<br>Use M-9 Mandrel   | 50   | 100       |             |             |             |             |             | 08834181723 |
|  | 60   | 100       | 66261194481 | 66261132224 | 77696089010 | 66261132214 | 08834181724 | 08834189901 |
|  | 80   | 100       | 66261194490 | 66261132225 | 77696089011 | 66261132215 | 08834181708 | 08834189904 |
|  | 120  | 100       | 66261194491 | 66261132226 | 77696089012 | 66261132217 | 08834181727 | 66261046936 |
|  | 180  | 100       |             |             |             |             | 08834181709 |             |
| 1/2 x 1 x 1/8<br>Use M-8 Mandrel       | 60   | 100       |             |             |             | 66261132218 | 08834181734 |             |
|  | 80   | 100       |             |             |             | 66261132219 | 08834181735 |             |
|  | 120  | 100       |             |             |             | 66261132220 | 08834181737 |             |
|  | 180  | 100       |             |             |             |             | 08834181739 |             |
| 1/2 x 1-1/2 x 1/8<br>Use M-9 Mandrel   | 36   | 100       |             |             |             |             | 08834181230 |             |
|  | 50   | 100       |             |             |             |             | 08834181743 |             |
|  | 60   | 100       | 66261194484 | 66261132227 | 77696089013 | 66261132221 | 08834181744 | 66261185977 |
|  | 80   | 100       | 66261194492 | 66261132228 | 77696089014 | 66261132222 | 08834181745 | 08834183460 |
|  | 100  | 100       |             |             |             |             | 08834181746 |             |
|  | 120  | 100       | 66261194495 | 66261132229 | 77696089015 | 66261132223 | 08834181747 | 08834183448 |
|  | 180  | 100       |             |             |             |             | 08834181749 |             |
| 1/2 x 2 x 1/8<br>Use M-10 Mandrel      | 60   | 100       |             |             |             |             | 08834181750 |             |
|  | 80   | 100       |             |             |             |             | 08834181754 |             |
|  | 120  | 100       |             |             |             |             | 08834181755 |             |
| 5/8 x 1-1/2 x 1/8<br>Use M-9 Mandrel   | 100  | 100       |             |             |             |             | 08834181757 |             |
|  | 120  | 100       |             |             |             |             | 08834181776 |             |
|  | 240  | 100       |             |             |             |             | 08834181777 |             |
| 5/8 x 1-1/2 x 3/16<br>Use M-16 Mandrel | 80   | 100       |             |             |             |             | 08834183313 |             |
|  |      |           |             |             |             |             | 08834181444 |             |
| 3/4 x 1-1/2 x 1/8<br>Use M-9 Mandrel   | 60   | 100       |             |             |             |             | 08834181286 |             |
|  | 80   | 100       |             |             |             |             | 08834180886 |             |
| 3/4 x 1-1/2 x 3/16<br>Use M-16 Mandrel | 60   | 100       |             |             |             |             | 08834181808 |             |
|  | 80   | 100       |             |             |             |             | 08834181809 |             |
|  | 120  | 100       |             |             |             |             | 08834181811 |             |
| 3/4 x 2 x 3/16<br>Use M-17 Mandrel     | 60   | 100       |             |             |             |             | 08834181820 |             |
|  |      |           |             |             |             |             |             |             |
| 1 x 1-1/2 x 1/8<br>Use M-9 Mandrel     | 60   | 100       |             |             |             |             | 08834181240 |             |
|  |      |           |             |             |             |             |             |             |
| 1 x 2 x 3/16<br>Use M-17 Mandrel       | 36   | 100       |             |             |             |             | 08834181875 |             |
|  | 60   | 100       |             |             |             |             | 08834181878 |             |
|  | 80   | 100       |             |             |             |             | 08834181879 |             |

MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status.

Refer to the back of this section for mandrels.

Tapered cone points are strips of abrasive cloth rolled and glued to form a solid shape that is designed to break down during use and reveal the next layer of abrasive. Tapered cone points are similar to cartridge rolls but their shape lends greater accessibility to many difficult-to-reach work areas. They are used for deburring holes and in close tolerance work areas.

- Applications:** Used on inside surfaces and inside corners where other abrasive shapes cannot reach. Typically these are used on high-speed air grinders and are always mounted on a mandrel. Ideal for flash removal, polishing, or removing machine tool marks, and edge breaking.
- Grit Range:** 50 - 320
- Abrasive Grain:** Aluminum Oxide
- Backing:** X-weight cotton
- Construction:** Popular sizes and mandrels are listed, with additional sizes available upon request as made-to-order products
- Maximum RPM:** Ceramic alumina, ceramic alumina blend, aluminum oxide plus, and silicon carbide cone points are available upon request as made-to-order products  
 1/8" to 1/2" – 23,000  
 5/8" to 1" – 18,000  
 1" to 1-1/2" – 15,000



### APPLICATION/GRIT RECOMMENDATION GUIDE

| ← COARSER (GRINDING)             |    |                                   |    |                                | FINER (FINISHING) → |                            |                               |     |
|----------------------------------|----|-----------------------------------|----|--------------------------------|---------------------|----------------------------|-------------------------------|-----|
| 36                               | 40 | 50                                | 60 | 80                             | 120                 | 180                        | 240                           | 320 |
| Blending Out Heavy Machine Marks |    |                                   |    |                                |                     |                            |                               |     |
| Removing Heavy Burrs             |    |                                   |    |                                |                     |                            |                               |     |
| Applying Heavy Scratch Pattern   |    |                                   |    |                                |                     |                            |                               |     |
| Removing Flash/Parting Lines     |    |                                   |    |                                |                     |                            |                               |     |
| Removing Rust/Scale/Pit Marks    |    |                                   |    |                                |                     |                            |                               |     |
|                                  |    | Preparing Metal for Painting      |    |                                |                     |                            |                               |     |
|                                  |    | Blending Out Medium Machine Marks |    |                                |                     |                            |                               |     |
|                                  |    |                                   |    | Blending Metal Surfaces        |                     |                            |                               |     |
|                                  |    |                                   |    | Applying Light Scratch Pattern |                     |                            |                               |     |
|                                  |    |                                   |    |                                |                     | Fine Blending and Cleaning |                               |     |
|                                  |    |                                   |    |                                |                     |                            | Metal Finishing and Polishing |     |

## MERIT ALUMINUM OXIDE TAPERED CONE POINTS

**GOOD STARTING SPECIFICATION FOR FLASH REMOVAL, POLISHING, OR REMOVING MACHINE TOOL MARKS AND EDGE BREAKING ON ALL TYPES OF METAL IN DIFFICULT-TO-REACH WORK AREAS**

#### FEATURES

- Quality aluminum oxide abrasive
- Strong X-weight cotton backing construction
- Durable resin bond system

#### BENEFITS

- Tough and durable
- For extended durability and even wear
- Provides longer life

**TIER: GOOD**

**BRAND:** Merit

**TRADENAME:** ALUMINUM OXIDE

**ABRASIVE:** Aluminum Oxide

| SIZE (D x L x H)                       | GRIT | STD. PKG.   | PART #      |
|--|------|-------------|-------------|
| 3/16 x 1 x 2-1/2°<br>Use K-110 Mandrel | 50   | 500         | 08834186892 |
|  | 60   | 500         | 08834186893 |
|  | 80   | 500         | 08834180918 |
|  | 100  | 500         | 08834182197 |
|  | 120  | 500         | 08834182199 |
|  | 150  | 500         | 08834182200 |
|  | 180  | 500         | 08834186894 |
|  | 240  | 500         | 08834186895 |
| 320                                    | 500  | 08834182855 |             |

**TIER: GOOD**

**BRAND:** Merit

**TRADENAME:** ALUMINUM OXIDE

**ABRASIVE:** Aluminum Oxide

| SIZE (D x L x H)                      | GRIT | STD. PKG. | PART #      |
|---------------------------------------|------|-----------|-------------|
| 5/16 x 1-1/2 x 5°<br>Use B-20 Mandrel | 80   | 500       | 08834180873 |
|                                       | 100  | 500       | 08834182043 |
|                                       | 120  | 500       | 08834182717 |
|                                       | 150  | 500       | 08834186890 |
|                                       | 180  | 500       | 08834182535 |
|                                       | 240  | 500       | 08834182044 |
|                                       | 320  | 500       | 08834182537 |

Refer to next page for mandrels.

Continued

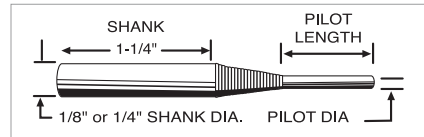
### Cartridge and Spiral Roll Mandrels

| MODEL #                                   | PILOT DIA. | PILOT LENGTH | SHANK DIA. | SHANK LENGTH | OVERALL LENGTH | PART #      |
|---|------------|--------------|------------|--------------|----------------|-------------|
| <b>Cartridge and Spiral Roll Mandrels</b> |            |              |            |              |                |             |
| M-2E                                      | 3/32       | 3/4          | 1/4        | 1            | 3              | 08834183799 |
| M-2                                       | 3/32       | 1            | 1/8        | 1            | 3              | 08834181202 |
| M-3                                       | 1/8        | 1/2          | 1/8        | 1            | 2-1/2          | 08834181203 |
| M-4                                       | 1/8        | 3/4          | 1/8        | 1            | 2-1/2          | 08834181204 |
| M-5                                       | 1/8        | 1            | 1/8        | 1            | 2-3/4          | 08834181205 |
| M-6                                       | 1/8        | 1-1/2        | 1/8        | 1            | 2-1/2          | 08834181206 |
| M-7                                       | 1/8        | 1/2          | 1/4        | 1-1/4        | 2-1/4          | 08834181207 |
| M-8                                       | 1/8        | 3/4          | 1/4        | 1-1/4        | 2-1/2          | 08834181208 |
| M-9                                       | 1/8        | 1            | 1/4        | 1-1/4        | 2-3/4          | 08834181209 |
| M-10                                      | 1/8        | 1-1/2        | 1/4        | 1-1/4        | 3-1/4          | 08834181210 |
| M-11                                      | 1/8        | 2            | 1/4        | 1-1/4        | 4              | 08834181211 |
| M-12                                      | 3/16       | 1/2          | 1/8        | 1-1/4        | 2-1/4          | 08834181212 |
| M-13                                      | 3/16       | 3/4          | 1/8        | 1-1/4        | 2-1/2          | 08834181213 |
| M-14                                      | 3/16       | 1/2          | 1/4        | 1-1/4        | 2-1/2          | 08834181214 |
| M-15                                      | 3/16       | 3/4          | 1/4        | 1-1/4        | 2-3/4          | 08834181215 |
| M-16                                      | 3/16       | 1            | 1/4        | 1-1/4        | 3              | 08834181216 |
| M-17                                      | 3/16       | 1-1/2        | 1/4        | 1-1/4        | 3-1/2          | 08834181217 |
| M-18                                      | 3/16       | 2            | 1/4        | 1-1/4        | 4              | 08834181218 |
| M-19                                      | 1/4        | 1/2          | 1/4        | 1-1/4        | 2-1/2          | 08834181219 |
| M-20                                      | 1/4        | 3/4          | 1/4        | 1-1/4        | 2-3/4          | 08834181220 |
| M-21                                      | 1/4        | 1            | 1/4        | 1-1/4        | 3              | 08834181221 |
| M-22                                      | 1/4        | 1-1/2        | 1/4        | 1-1/4        | 3-1/2          | 08834181222 |
| M-23                                      | 1/4        | 2            | 1/4        | 1-1/4        | 4              | 08834181223 |
| M-24                                      | 5/16       | 3/4          | 1/4        | 1-1/4        | 2-3/4          | 08834181224 |
| M-25                                      | 5/16       | 1            | 1/4        | 1-1/4        | 3              | 08834181225 |
| M-26                                      | 5/16       | 1-1/2        | 1/4        | 1-1/4        | 3-1/2          | 08834181226 |
| M-27                                      | 5/16       | 2            | 1/4        | 1-1/4        | 4              | 08834181227 |

Standard Package = 1

#### Recommended Pilot Length for Mandrels

|                   |                 |
|-------------------|-----------------|
| 3/4 Roll Length   | Use 1/2 Pilot   |
| 1 Roll Length     | Use 3/4 Pilot   |
| 1-1/2 Roll Length | Use 1 Pilot     |
| 2 Roll Length     | Use 1-1/2 Pilot |



### Extra Shank Length Mandrels

| MODEL #                             | SHANK LENGTH | OVERALL LENGTH | PART NO.    |
|-------------------------------------|--------------|----------------|-------------|
| <b>Extras Shank Length Mandrels</b> |              |                |             |
| M-8-4                               | 4            | 5-1/4          | 08834180116 |
| M-8-6                               | 6            | 7-1/4          | 08834180122 |
| M-9-2.5                             | 2-1/2        | 4              | 08834180096 |
| M-9-3                               | 3            | 4-1/2          | 08834180129 |
| M-9-4                               | 4            | 5-1/2          | 08834180074 |
| M-9-6                               | 6            | 7-1/2          | 08834180131 |
| M-9-8                               | 8            | 9-1/2          |             |
| M-10-4                              | 1-3/4        | 4              | 08834180092 |
| M-10-6                              | 3-3/4        | 6              | 08834180145 |

All Extra Shank Length mandrels are 1/4" diameter

Standard Package = 1

### Tapered Cone Point Mandrels

| DESCRIPTION                | SHANK | PART #      |
|----------------------------|-------|-------------|
| <b>Cone Point Mandrels</b> |       |             |
| A-10                       | 1/4   | 08834181300 |
| B-20                       | 1/4   | 08834181301 |
| C-30                       | 1/4   | 08834181302 |
| D-40                       | 1/4   | 08834181303 |
| E-50                       | 1/4   | 08834181304 |
| F-60                       | 1/4   | 08834181305 |
| G-70                       | 1/4   | 08834181306 |
| H-80                       | 1/4   | 08834181307 |
| I-90                       | 1/4   | 08834181308 |
| K-110                      | 1/8   | 08834181310 |

Standard Package = 1



These test kits feature the most popular range and sizes of our coated specialty products in convenient kit formats. Ideal for small job shops, or for travelling to a job site. Our cartridge roll kits are great when you need a small quantity, but a wide range of grits and sizes



**Merit Ceramic Alumina Cartridge Roll Test Kit**

- Part # 66261066726
- Kit includes a variety of our Merit ceramic alumina cartridge rolls, spiral rolls and mandrels in popular sizes and grits.



**Merit Aluminum Oxide Cartridge Roll Test Kit “CR”**

- Part # 08834181061
- Includes over 120 pieces of our most popular sizes, grits and shapes with their appropriate mandrels.



**Merit General Purpose Test Kit “GP”**

- Part # 08834169025
- Includes samples of various Merit abrasive specialties. One of these kits could be worth the cost of the entire kit by solving your problems in deburring, polishing and grinding.



**Merit Porting Test Kit “APK-MO”**

- Part # 08834169032
- The samples in this kit highlight Merit specialties for general metal and wood working polishing and finishing applications.

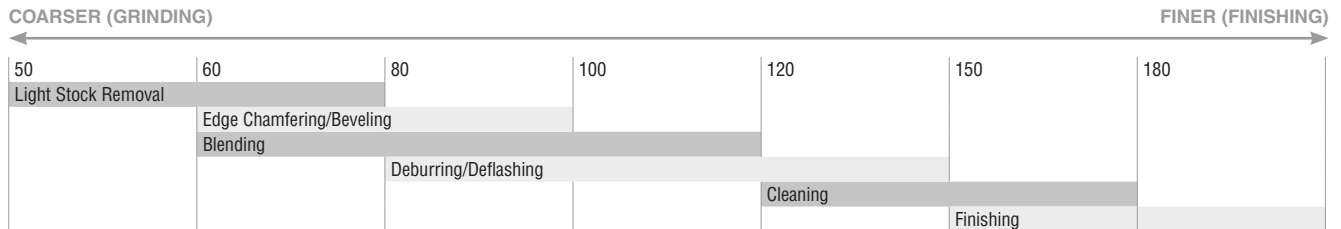


# SQUARE & CROSS PADS, OVERLAP SLOTTED DISCS

Square pads, cross pads and overlap slotted discs are all used on high-speed pneumatic tools for deburring, blending, cleaning, and polishing applications. All of these abrasive specialties are designed for applications in small, tight, hard-to-access locations on parts that are being finished.

|                 |   |
|-----------------|---|
| Benefits:       | Variety of shapes and sizes to fit application and part geometry<br>Shapes provide flexibility for the application, while eliminating aggressiveness of the sanding action<br>Cross pads allow visibility of the surface while sanding, to ensure correct amount of material is removed |
| Grit Range:     | 50 – 180  |
| Abrasive Grain: | Ceramic Alumina, Aluminum Oxide   |
| Backing:        | X-weight cotton   |
| Construction:   | Standard quick-change eyelet for easy mounting and removal on quick-change mandrel minimizes downtime; Mandrel use increases range and versatility  |
| Maximum RPM:    | 1" Diameter – 25,000                      3" Diameter – 12,000 to 14,000<br>1-1/2" to 2" Diameter – 18,000 to 23,000      4" Diameter – 8,000 to 12,000<br>2-1/2" Diameter – 14,000 to 18,000              5" to 6" Diameter – 5,500 to 7,500   |
| Machine Used:   |   |

## APPLICATION/GRIT RECOMMENDATION GUIDE



## NORTON BLAZE R920 CERAMIC ALUMINA

**BEST CHOICE FOR HARD-TO-GRIND MATERIALS INCLUDING SUPER ALLOYS (COBALT, INCONEL, AND TITANIUM) AND STAINLESS STEEL**

| FEATURES   | BENEFITS  |
|--|---|
| <ul style="list-style-type: none"> <li>Next-generation ceramic alumina abrasive grain</li> </ul> | <ul style="list-style-type: none"> <li>Significantly faster cut rates versus any other abrasive</li> <li>Resists wear, resulting in 50%-300% longer life</li> <li>Greatest productivity; lowest total cost</li> </ul> |
| <ul style="list-style-type: none"> <li>Advanced grinding aid</li> </ul>                          | <ul style="list-style-type: none"> <li>Cooler cutting, longer life</li> </ul>   |
| <ul style="list-style-type: none"> <li>Improved resin bond system</li> </ul>                     | <ul style="list-style-type: none"> <li>Improved grain retention and longer life</li> </ul>  |

## NORTON R326 PREMIUM ALUMINUM OXIDE BLEND

**BETTER CHOICE FOR STAINLESS AND CARBO STEEL, AND ALUMINUM**

| FEATURES & BENEFITS  |
|--|
| <ul style="list-style-type: none"> <li>Cut cooler and smoother, with up to 3X the life and cut rate over competitive aluminum oxide specialties, with our versatile, premium aluminum oxide blend and advanced grinding aid lubricant</li> </ul> |

## NORTON METAL R265 ALUMINUM OXIDE

**GOOD CHOICE WHEN INITIAL PRICE IS A KEY PURCHASING CRITERIA**

| FEATURES & BENEFITS  |
|--|
| <ul style="list-style-type: none"> <li>Our solid-performance aluminum oxide grain makes these specialties a good starting specification with consistent performance for small jobs or anywhere performance need not be measured</li> </ul> |

# SQUARE & CROSS PADS, OVERLAP SLOTTED DISCS MERIT ALUMINUM OXIDE

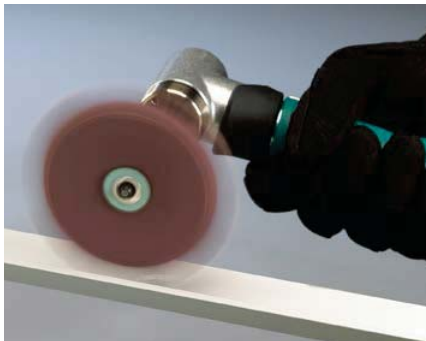
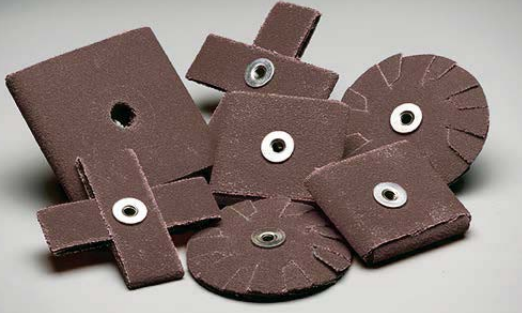
**GOOD FOR MOST ID DEBURRING AND POLISHING APPLICATIONS**

**FEATURES**

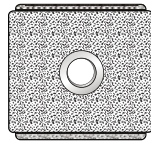
- Quality aluminum oxide abrasive grain
- Resin bond system

**BENEFITS**

- Versatile; ideal for deburring, chamfering, and polishing most radii, holes, recesses, and cylinder walls
- Good grain retention and life



## Square Pads



### Square Pads

- Corners wear down consistently exposing fresh abrasive; the pad becomes round for less aggressive stock removal
- Grind almost as fast as hard wheels, but are much smoother and easier to control
- For quick blending of channels, fillets, corners, or spotting flat surfaces

Refer to the back of this section for mandrels.



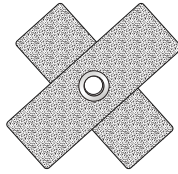
| SIZE (L x W x T)    | EYELET | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      |
|---------------------|--------|------|-----------|-------------|-------------|-------------|-------------|
| 1 x 1 x 6 ply       | 8-32   | 80   | 100       |             |             |             | 08834184826 |
| 1 x 1 x 8 ply       | 8-32   | 60   | 100       |             |             |             | 08834184124 |
|                     |        | 80   | 100       |             |             |             |             |
|                     |        | 120  | 100       |             |             |             |             |
| 1 x 1 x 1/4         | 8-32   | 60   | 100       |             |             | 66261132258 |             |
|                     |        | 80   | 100       |             |             | 66261132259 |             |
|                     |        | 120  | 100       |             |             | 66261132262 |             |
| 1-1/2 x 1-1/2 x 1/2 | 1/4-20 | 60   | 100       |             |             |             | 08834184463 |
|                     |        | 80   | 100       |             |             |             | 08834184125 |
| 2 x 2 x 1/2         | 1/4-20 | 60   | 100       | 66261194520 | 66261132273 | 66261132263 | 08834184334 |
|                     |        | 80   | 100       | 66261194552 | 66261132279 | 66261132264 | 08834184397 |
|                     |        | 120  | 100       | 66261194554 | 66261132281 | 66261132265 |             |
| 2 x 2 x 3/4         | 1/4-20 | 50   | 100       |             |             |             |             |
|                     |        | 80   | 100       |             |             |             | 08834184394 |
| 3 x 3 x 1/4         | 1/4-20 | 60   | 100       | 66261194531 | 66261132282 | 66261132266 |             |
|                     |        | 80   | 100       | 66261194555 | 66261132283 | 66261132268 |             |
|                     |        | 120  | 100       | 66261194556 | 66261132284 | 66261132269 |             |
| 3 x 3 x 1/2         | 1/4-20 | 50   | 100       |             |             |             | 08834182152 |
|                     |        | 60   | 100       | 66261194528 | 66261132285 | 66261132270 | 08834182057 |
|                     |        | 80   | 100       | 66261194557 | 66261132286 | 66261132271 | 08834184336 |
|                     |        | 120  | 100       | 66261194558 | 66261132287 | 66261132272 |             |

**MERIT STOCK/NON-STOCK STATUS:** Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status. Ceramic Alumina and Alumina Oxide Plus square pads are also available upon request as made-to-order products.

# SQUARE & CROSS PADS, OVERLAP SLOTTED DISCS



## Cross Pads



### Cross Pads

- The shape of cross pads enables you to see through to the contact area, and provides greater flexibility than square pads to conform to variable internal diameters
- Used for close-tolerance polishing of small radii and channels, deburring, and finishing of bell-mouth configurations
- All pads are furnished with standard quick-change eyelet, as listed
- Plain hole sizes must be specified and are available for quotation as made-to-order products



|                                  |                              |                   |                       |
|----------------------------------|------------------------------|-------------------|-----------------------|
| <b>TIER:</b> BEST                | <b>BETTER</b>                | <b>GOOD</b>       | <b>GOOD</b>           |
| <b>BRAND:</b> Norton             | Norton                       | Norton            | Merit                 |
| <b>TRADENAME:</b> BLAZE R920     | <b>R326</b>                  | <b>METAL R265</b> | <b>ALUMINUM OXIDE</b> |
| <b>ABRASIVE:</b> Ceramic Alumina | Premium Aluminum Oxide Blend | Aluminum Oxide    | Aluminum Oxide        |
| <b>OTHER:</b> Supersize          | Supersize                    |                   |                       |

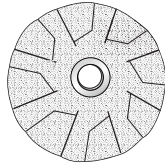
| SIZE (L x W x T)    | PLY | EYELET | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      |
|---------------------|-----|--------|------|-----------|-------------|-------------|-------------|-------------|
| 3/4 x 3/4 x 3/8     | 8   | 3-48   | 80   | 100       |             |             |             | 08834185578 |
| 1 x 1 x 3/8         | 8   | 3-48   | 60   | 100       |             |             | 66261132230 | 08834184943 |
|                     |     |        | 80   | 100       |             |             | 66261132231 | 08834185519 |
|                     |     |        | 100  | 100       |             |             |             | 08834184195 |
|                     |     |        | 120  | 100       |             |             | 66261132232 | 08834185164 |
| 1-1/2 x 1-1/2 x 1/2 | 8   | 8-32   | 60   | 100       | 66261194496 | 66261132245 | 66261132233 | 08834184258 |
|                     |     |        | 80   | 100       | 66261194508 | 66261132246 | 66261132234 | 08834184465 |
|                     |     |        | 100  | 100       |             |             |             | 08834182196 |
|                     |     |        | 120  | 100       | 66261194511 | 66261132247 | 66261132235 | 08834182148 |
| 2 x 2 x 1/2         | 8   | 8-32   | 60   | 100       |             |             | 66261132236 | 08834182156 |
|                     |     |        | 80   | 100       |             |             | 66261132237 | 08834182157 |
|                     |     |        | 100  | 100       |             |             | 66261132238 | 08834182132 |
|                     |     |        | 120  | 100       |             |             | 66261132239 | 08834184128 |
| 2 x 2 x 3/4         | 8   | 8-32   | 60   | 100       | 66261194502 | 66261132249 | 66261132240 | 08834184194 |
|                     |     |        | 80   | 100       | 66261194513 | 66261132252 | 66261132241 |             |
|                     |     |        | 100  | 100       | 66261194516 | 66261132253 |             |             |
|                     |     |        | 120  | 100       |             |             |             |             |
| 2-1/4 x 2-1/4 x 1/2 | 8   | 8-32   | 80   | 100       |             |             |             | 08834184402 |
| 2-1/2 x 2-1/2 x 3/4 | 8   | 8-32   | 80   | 100       |             |             |             | 08834184206 |
| 3 x 3 x 1           | 8   | 1/4-20 | 60   | 100       | 66261194504 | 66261132255 | 66261132242 | 08834182135 |
|                     |     |        | 80   | 100       | 66261194549 | 66261132256 | 66261132243 | 08834184119 |
|                     |     |        | 120  | 100       | 66261194551 | 66261132257 | 66261132244 | 08834184116 |
| 3 x 3 x 1           | 10  | 1/4-20 | 80   | 100       |             |             |             | 08834182140 |
| 3 x 3 x 1-1/2       | 10  | 1/4-20 | 80   | 100       |             |             |             | 08834182184 |
| 4 x 4 x 1           | 8   | 1/4-20 | 60   | 100       |             |             |             | 08834184142 |
|                     |     |        | 80   | 100       |             |             |             | 08834184135 |
|                     |     |        | 120  | 100       |             |             |             | 08834184377 |
| 4 x 4 x 1-1/2       | 8   | 1/4-20 | 80   | 100       |             |             |             | 08834184129 |

*MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status. Ceramic Alumina and Alumina Oxide Plus cross pads are also available upon request as made-to-order products.*

Refer to the back of this section for mandrels.

# SQUARE & CROSS PADS, OVERLAP SLOTTED DISCS

## Overlap Slotted Discs



### Overlap Slotted Discs

- Used for deburring and polishing radii, holes and cylinder walls
- Our "2 to a set" configuration cuts on the inward motion only
- The "4 to a set" configuration, assembled back to back, cuts on both the inward and outward motions
- All discs are furnished with standard quick-change eyelet
- Plain hole sizes must be specified and are available for quotation as made-to-order products



| TIER:      | BEST                 | BETTER                       | GOOD              | GOOD                  | GOOD                   |
|------------|----------------------|------------------------------|-------------------|-----------------------|------------------------|
| BRAND:     | Norton               | Norton                       | Norton            | Merit                 | Merit                  |
| TRADENAME: | <b>BLAZE</b>         | <b>R326</b>                  | <b>METAL R265</b> | <b>ALUMINUM OXIDE</b> | <b>SILICON CARBIDE</b> |
| ABRASIVE:  | Ceramic Alumina      | Premium Aluminum Oxide Blend | Aluminum Oxide    | Aluminum Oxide        | Aluminum Oxide         |
| OTHER:     | Supersize, 2 Per Set | Supersize, 2 Per Set         | 2 Per Set         | 2 Per Set             | 4 Per Set              |

| DIA.  | EYELET | GRIT | STD. PKG. | PART #      |             |             | PART #      | PART #      |
|-------|--------|------|-----------|-------------|-------------|-------------|-------------|-------------|
| 1     | 8-32   | 60   | 100       |             |             |             | 08834184346 |             |
|       |        | 80   | 100       |             |             |             | 08834184019 | 08834184085 |
|       |        | 100  | 100       |             |             |             | 08834184224 |             |
|       |        | 120  | 100       |             |             |             | 08834184151 | 08834184236 |
| 1-1/4 | 8-32   | 60   | 100       |             |             |             | 08834184270 |             |
|       |        | 80   | 100       |             |             |             | 08834184065 |             |
|       |        | 100  | 100       |             |             |             | 08834184291 |             |
|       |        | 120  | 100       |             |             |             | 08834184084 |             |
| 1-1/2 | 8-32   | 60   | 100       | 66261195051 | 66261132297 | 66261132288 | 08834184066 |             |
|       |        | 80   | 100       | 66261195368 | 66261132298 | 66261132289 | 08834184079 |             |
|       |        | 100  | 100       |             |             |             | 08834184279 | 08834184023 |
|       |        | 120  | 100       | 66261195367 | 66261132299 | 66261132290 | 08834186035 |             |
| 1-3/4 | 8-32   | 60   | 100       |             |             |             | 08834184655 |             |
|       |        | 80   | 100       |             |             |             | 08834184042 |             |
| 2     | 8-32   | 60   | 100       | 66261195054 | 66261132300 | 66261132291 |             |             |
|       |        | 80   | 100       | 66261195055 | 66261132301 | 66261132292 | 08834184076 |             |
|       |        | 100  | 100       |             |             |             | 08834184145 |             |
|       |        | 120  | 100       | 66261195056 | 66261132302 | 66261132293 | 08834184055 |             |
| 2-1/2 | 8-32   | 60   | 100       |             |             |             | 08834184444 |             |
|       |        | 80   | 100       |             |             |             | 08834184041 |             |
|       |        | 100  | 100       |             |             |             | 08834184077 |             |
|       |        | 120  | 100       |             |             |             | 08834184082 |             |
| 3     | 1/4-20 | 60   | 100       | 66261195057 | 66261132303 | 66261132294 | 08834184041 |             |
|       |        | 80   | 100       | 66261195058 | 66261132304 | 66261132295 | 08834184077 |             |
|       |        | 100  | 100       |             |             |             | 08834184082 |             |
|       |        | 120  | 100       | 66261195059 | 66261132305 | 66261132296 | 08834184344 |             |
| 4     | 1/4-20 | 60   | 100       |             |             |             | 08834184000 |             |
|       |        | 120  | 100       |             |             |             | 08834185155 |             |
| 4-1/2 | 1/4-20 | 100  | 100       |             |             |             | 08834184431 |             |

*MERIT STOCK/NON-STOCK STATUS: Some Merit specialty part numbers are non-stock. Contact your Norton/Merit representative for stock/MTO status.*

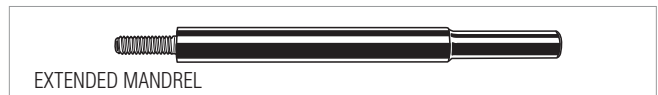
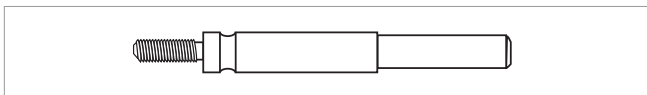
*All overlap slotted discs are available (made-to-order) reinforced with a fiber washer*

*Ceramic Alumina and Alumina Oxide Plus overlap slotted discs are also available upon request as made-to-order products.*

## Quick-Change Mandrels for Overlap Slotted Discs, Square and Cross Pads

| CROSS PAD SIZE DIA.               | SQUARE PAD SIZE DIA.                                      | OAL   | MODEL NO. | THD. SIZE | PART #      |
|-----------------------------------|---|-------|-----------|-----------|-------------|
| 1/4, 3/8, and 1/2 wide            |   | 2-1/2 | MM48-4    | 3-48      | 08834183162 |
| 3/4, 1 wide                       | Up thru 1-1/2 sq. x 1/2 thick<br>2 sq. x 1/4 or 3/8 thick | 3     | MM32-4    | 8-32      | 08834183163 |
|                                   |   | 4     | MM-32-4-4 | 8-32      | 08834121680 |
|                                   |   | 6     | MM-32-4-6 | 8-32      | 08834121681 |
| All pads 2-1/2 x 1-1/2 and larger | 2 sq. x 1/4 or 1/2 thick and larger                       | 3     | MM20-4    | 1/4-20    | 08834183164 |

*For overlap slotted discs, choose a mandrel with the same thread size as the disc*







Flaps of abrasive cloth are stacked, inserted into a holder, and then attached to a mandrel. The flaps are designed to break down during use and reveal the next layer of abrasive.

To create an interleaf bore polisher, cloth flaps are mixed with non-woven flaps.

**Applications:**

For deburring, sizing, cleaning and polishing the interior diameters of cylinders, tubes and hydraulic fittings. Flaps adjust automatically to inside diameter, polishing the entire surface area with each pass.

Bore polishers are self-centering, so they apply equal pressure to full wall of inside diameter. Spring action design gives faster inside diameter cleaning, deburring and polishing to cylinders, deep bores and tubes.

Interleafed bore polishers are designed to polish and finish in one easy application. The abrasive flaps cut, while the non-woven flaps apply a fine finish.

Grit Range:

60 - 240






Abrasive Grain:

Aluminum Oxide

Machine Used:



**APPLICATION-TO-PRODUCT SHAPE RECOMMENDATION GUIDE**

| Shape   |  | Application   |
|---|--|---|
|    | Bore Polisher<br>Solid Flaps<br>B-3 Series | <ul style="list-style-type: none"> <li>For 5/8" to 1" interior diameter bores</li> <li>3 abrasive packs 1-1/2" wide, bonded to hub</li> <li>Use with QC-5 mandrel Part # 08834154182</li> </ul>   |
|   | Bore Polisher<br>Solid Flaps<br>B-4 Series | <ul style="list-style-type: none"> <li>For 1" to 4" interior diameter bores</li> <li>4 abrasive packs 1-1/2" wide, bonded to hub</li> <li>Use with BPM-4 mandrel Part # 08834154183</li> </ul>  |
|  | Bore Polisher<br>Solid Flaps<br>B-8 Series | <ul style="list-style-type: none"> <li>For 2" to 5-7/8" interior diameter bores</li> <li>8 abrasive packs 1-1/2" wide, bonded to hub</li> <li>Use with BPM-8 mandrel Part # 08834154184</li> </ul>  |
|  | Bore Polisher<br>Scored Flaps              | Available upon request as made-to-order products.   |
|  | Bore Polisher<br>Interleaf                 | Cloth flaps are mixed with non-woven flaps. Merit interleaf bore polishers do double duty. Designed to polish and finish in one easy application, they are the ideal choice when close tolerances must be maintained, while giving an interior a polished finish. |

**APPLICATION/GRIT RECOMMENDATION GUIDE**

| COARSER (MATERIAL REMOVAL) ←      |    |                                |     |     | → FINER (FINISHING)           |  |  |  |  |
|-----------------------------------|----|--------------------------------|-----|-----|-------------------------------|--|--|--|--|
| 60                                | 80 | 120                            | 180 | 240 |                               |  |  |  |  |
| Blending Out Medium Machine Marks |    |                                |     |     |                               |  |  |  |  |
| Sizing Cylinders                  |    |                                |     |     |                               |  |  |  |  |
|                                   |    | Deburring Cylinders            |     |     |                               |  |  |  |  |
|                                   |    | Blending Metal Surfaces        |     |     |                               |  |  |  |  |
|                                   |    | Cleaning Cylinders             |     |     |                               |  |  |  |  |
|                                   |    | Applying Light Scratch Pattern |     |     |                               |  |  |  |  |
|                                   |    |                                |     |     | Fine Blending and Cleaning    |  |  |  |  |
|                                   |    |                                |     |     | Metal Finishing and Polishing |  |  |  |  |
| ← SOLID FLAP                      |    | SCORED                         |     |     | INTERLEAF →                   |  |  |  |  |



## Merit Aluminum Oxide Bore Polishers

TIER: **GOOD**  
 BRAND: Merit  
 TRADENAME: **ALUMINUM OXIDE**  
 ABRASIVE: Aluminum Oxide  
 BACKING: X-Weight Cotton/Poly

| DESCRIPTION   | GRIT                   | MAX. RPM | STD. PKG.    | PART #       |             |
|---|------------------------|----------|--------------|--------------|-------------|
| <b>Bore Polishers – Solid Flap B-3 and B-4 Series</b> |                        |          |              |              |             |
| B-305   | 60                     | 25,000   | 10           | 08834154190  |             |
| Fits ID 5/8 to 1                                      | 80                     | 25,000   | 10           | 08834154191  |             |
|   | 120                    | 25,000   | 10           | 08834154193  |             |
|   | 180                    | 25,000   | 10           | 08834154195  |             |
|   | 240                    | 25,000   | 10           | 08834154197  |             |
| B-405   | 60                     | 22,000   | 10           | 08834154091  |             |
|   | Fits ID 1 to 1-1/2     | 80       | 22,000       | 10           | 08834154092 |
|   |                        | 120      | 22,000       | 10           | 08834154093 |
| B-410   | 60                     | 20,000   | 10           | 08834154100  |             |
|   | Fits ID 1-1/2 to 2     | 80       | 20,000       | 10           | 08834154101 |
|   |                        | 120      | 20,000       | 10           | 08834154102 |
| B-415   | 180                    | 20,000   | 10           | 08834154103  |             |
|   | 240                    | 20,000   | 10           | 08834154104  |             |
|   | Fits ID 2-1/8 to 2-1/2 | 60       | 16,000       | 10           | 08834154109 |
|   |                        | 80       | 16,000       | 10           | 08834154110 |
| B-420   | 120                    | 16,000   | 10           | 08834154111  |             |
|   | 180                    | 16,000   | 10           | 08834154112  |             |
|   | 240                    | 16,000   | 10           | 08834154113* |             |
|   | Fits ID 2-1/2 to 3     | 60       | 15,000       | 10           | 08834154118 |
| 80  |                        | 15,000   | 10           | 08834154119  |             |
| 120   |                        | 15,000   | 10           | 08834154120  |             |
| 180   |                        | 15,000   | 10           | 08834154121  |             |
| B-425   | 240                    | 15,000   | 10           | 08834154122  |             |
|   | Fits ID 3-1/8 to 4     | 60       | 10,000       | 10           | 08834154127 |
|   |                        | 80       | 10,000       | 10           | 08834154128 |
|   | 120                    | 10,000   | 10           | 08834154129  |             |
| 180   | 10,000                 | 10       | 08834154130  |              |             |
| 240   | 10,000                 | 10       | 08834154131* |              |             |

\* Non-stock. All other bore polishers, mandrels, and kit are stock products.

TIER: **GOOD**  
 BRAND: Merit  
 TRADENAME: **ALUMINUM OXIDE**  
 ABRASIVE: Aluminum Oxide  
 BACKING: X-Weight Cotton/Poly

| DESCRIPTION                                   | GRIT                   | MAX. RPM | STD. PKG. | PART #       |             |
|---|------------------------|----------|-----------|--------------|-------------|
| <b>Bore Polishers – Solid Flap B-8 Series</b> |                        |          |           |              |             |
| B-810   | 60                     | 16,000   | 10        | 08834154136  |             |
| Fits ID 2 to 2-1/2                            | 80                     | 16,000   | 10        | 08834154137  |             |
|   | 120                    | 16,000   | 10        | 08834154138  |             |
|   | 180                    | 16,000   | 10        | 08834154139* |             |
|   | 240                    | 16,000   | 10        | 08834154140* |             |
| B-815   | 60                     | 15,000   | 10        | 08834154145  |             |
|   | Fits ID 2-5/8 to 3     | 80       | 15,000    | 10           | 08834154146 |
|   |                        | 120      | 15,000    | 10           | 08834154147 |
|   | 180                    | 15,000   | 10        | 08834154148* |             |
| B-820   | 240                    | 15,000   | 10        | 08834154149* |             |
|   | 60                     | 10,000   | 10        | 08834154154  |             |
|   | Fits ID 3-1/8 to 4     | 80       | 10,000    | 10           | 08834154155 |
|   |                        | 120      | 10,000    | 10           | 08834154156 |
| B-825   | 180                    | 10,000   | 10        | 08834154157  |             |
|   | 240                    | 10,000   | 10        | 08834154158* |             |
|   | 60                     | 8,000    | 10        | 08834154163  |             |
|   | Fits ID 4-1/4 to 5-1/4 | 80       | 8,000     | 10           | 08834154164 |
| 120   |                        | 8,000    | 10        | 08834154165  |             |
| 180   |                        | 8,000    | 10        | 08834154166  |             |
| 240   |                        | 8,000    | 10        | 08834154167  |             |
| B-830   | 60                     | 8,000    | 10        | 08834154172  |             |
|   | Fits ID 5-1/4 to 5-7/8 | 80       | 8,000     | 10           | 08834154173 |
|   |                        | 120      | 8,000     | 10           | 08834154174 |
|   | 180                    | 8,000    | 10        | 08834154175  |             |
|   | 240                    | 8,000    | 10        | 08834154176  |             |

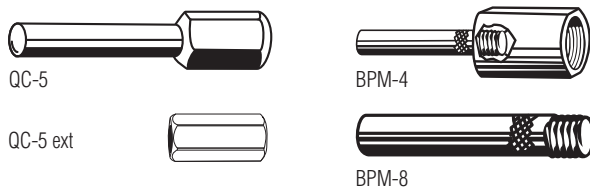
### Bore Polishers – Scored Flaps

Available on request as made-to-order products

### Bore Polishers – Interleaf

|                    |     |        |    |             |
|--------------------|-----|--------|----|-------------|
| B-405 Interleaf    | 80  | 22,000 | 10 | 08834150271 |
| Fits ID 1 to 1-1/2 | 180 | 22,000 | 10 | 08834150273 |

## Mandrels for Bore Polishers



| DESCRIPTION    | MODEL NO. | THREAD  | STD. PKG. | PART #      |
|----------------|-----------|---------|-----------|-------------|
| For B-3 Series | QC-5      | 5/16-18 | 1         | 08834154182 |
| For B-4 Series | BPM-4     | 1/2-20  | 1         | 08834154183 |
| For B-8 Series | BPM-8     | 1/4-20  | 1         | 08834154184 |

## Extension Mandrels for Bore Polishers



| DIAMETER x LENGTH | MODEL NO. | THREAD | STD. PKG. | PART #      |
|-------------------|-----------|--------|-----------|-------------|
| 1/4 x 4           | EM-144    | 1/4-20 | 1         | 08834154185 |
| 1/4 x 6           | EM-146    | 1/4-20 | 1         | 08834154186 |
| 1/4 x 8           | EM-148    | 1/4-20 | 1         | 08834154187 |

To extend a B-4 series bore polisher, attach the adapter piece of the BPM-4 mandrel to the bore polisher, then attach the desired length extension mandrel above to the BPM-4 adapter piece. To extend a B-8 series bore polisher, attach the desired length extension mandrel above directly to the bore polisher.



## Test Kit

### Merit Bore Polisher Test Kit "BP"

- Part # 08834154181
- Contains ten bore polishers and two mini 1/4"-20 thread flap wheels in assorted sizes and grits for finishing 1" to 5" interior diameters, and mandrel for 1/4" chuck.



FlexDrum abrasive segments sweep away flaws. Their extreme longevity and perfect balance make them well-suited for automatic as well as offhand use. Hubs and abrasive segments can be combined to fit your job perfectly.

|                 |  |
|-----------------|--|
| Applications    | Blending out parting lines on castings, smoothing out pre-ground welded areas, removing burrs and work flaws, graining stainless, brush-finishing and satin-finishing aluminum, removing rust, deflashing molded plastic and rubber parts, and preparing surfaces for painting or plating. |
| Size Range:     | Diameter of loaded FlexDrum: 8" – 18"<br>Width of FlexDrum: 1-1/2" – 12"<br>Custom die-cut segments as well as extra wide segments, in widths up to 144" are also available as made-to-order products.   |
| Grit Range:     | 50 – 240   |
| Bond:           | Resin or glue  |
| Backing:        | Heavyweight cotton   |
| Abrasive Grain: | Premium Aluminum Oxide   |

**SHAPE/APPLICATION RECOMMENDATION GUIDE**



**Plain Segment**

- For flat or mildly contoured surfaces



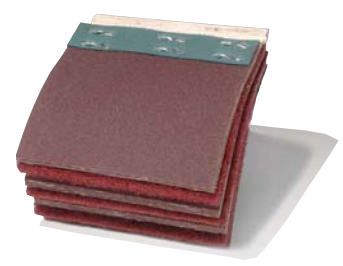
**1/4 Scored (SC) Segment**

- Great for complex parts
- Provides a fine finish



**1/2 Slash (SL) Segment**

- Great for mild and moderate contours



**Interleaf Segment**

- Plain cloth segments are mixed with non-woven segments. Merit interleaf FlexDrums do double duty. Designed to polish and finish in one easy application,
- Available upon request as made-to-order product

**LOADING FLEX DRUM HUBS**



FlexDrum hub end plate removes for easy loading of abrasive segments.



Custom profiled segments eliminate break-in resulting in maximum productivity. Contact your sales representative for more information.

**MERIT**

Plain Segments – for flat or mildly curved surfaces

| TIER: <b>GOOD</b> |              |           |             |             |             |             |             |             |             |
|-------------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| BRAND:            |              | Merit     | Merit       | Merit       | Merit       | Merit       | Merit       | Merit       | Merit       |
| ABRASIVE:         |              | A/O       | A/O         | A/O         | A/O         | A/O         | A/O         | A/O         | A/O         |
| GRIT:             |              | 50        | 60          | 80          | 100         | 120         | 180         | 240         |             |
| WIDTH             | TRIM LENGTH* | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      |
| 1-1/2             | 2-3/4        | 12        | 08834155002 | 08834155003 | 08834155004 |             | 08834155006 | 08834155008 | 08834155010 |
| 2                 | 2-3/4        | 12        | 08834155013 | 08834155014 | 08834155015 | 08834155016 |             | 08834155019 |             |
| 2                 | 4            | 20        | 08834155312 | 08834155313 | 08834155314 | 08834155315 | 08834155316 | 08834155318 |             |
| 2                 | 5            | 20        |             | 08834155568 | 08834155569 |             | 08834155571 | 08834155573 | 08834155575 |
| 3                 | 2-3/4        | 12        | 08834155025 | 08834155026 | 08834155027 | 08834155028 | 08834155029 | 08834155031 |             |
| 3                 | 4            | 20        | 08834155324 | 08834155325 | 08834155326 |             | 08834155328 | 08834155330 |             |
| 3                 | 5            | 20        |             | 08834155579 |             |             | 08834155582 | 08834155584 |             |
| 4                 | 2-3/4        | 12        | 08834155036 | 08834155037 | 08834155038 | 08834155039 | 08834155040 | 08834155042 | 08834155044 |
| 4                 | 4            | 20        | 08834155336 | 08834155337 | 08834155338 |             | 08834155340 | 08834155342 | 08834155344 |
| 4                 | 5            | 20        |             | 08834155590 |             |             | 08834155593 | 08834150390 | 08834155953 |

All FlexDrum segments are available as non-stock. Contact your Norton/Merit representative for current lead-times.

1/4 Scored Segments – for complex parts and providing a fine finish

| TIER: <b>GOOD</b> |            |       |           |             |             |             |             |             |             |
|-------------------|------------|-------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| BRAND:            |            | Merit | Merit     | Merit       | Merit       | Merit       | Merit       | Merit       | Merit       |
| ABRASIVE:         |            | A/O   | A/O       | A/O         | A/O         | A/O         | A/O         | A/O         | A/O         |
| GRIT:             |            | 50    | 60        | 80          | 100         | 120         | 180         | 240         |             |
| WIDTH             | TRIM LTH.* | SCORE | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      |
| 1-1/2             | 2-3/4      | 1/4   | 12        | 08834155082 | 08834155083 | 08834155084 | 08834155085 | 08834155086 | 08834155088 |
| 2                 | 2-3/4      | 1/4   | 12        | 08834155094 | 08834155095 | 08834155096 | 08834155097 | 08834155098 | 08834155100 |
| 3                 | 2-3/4      | 1/4   | 12        | 08834155106 | 08834155107 | 08834155108 | 08834155109 | 08834155110 | 08834155112 |
| 4                 | 2-3/4      | 1/4   | 12        | 08834155117 | 08834155118 | 08834155119 | 08834155120 | 08834155121 | 08834155123 |

All FlexDrum segments are available as non-stock. Contact your Norton/Merit representative for current lead-times.

1/2 Slashed Segments – for mild and moderate contours

| TIER: <b>GOOD</b> |            |       |           |             |             |             |             |             |             |
|-------------------|------------|-------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| BRAND:            |            | Merit | Merit     | Merit       | Merit       | Merit       | Merit       | Merit       | Merit       |
| ABRASIVE:         |            | A/O   | A/O       | A/O         | A/O         | A/O         | A/O         | A/O         | A/O         |
| GRIT:             |            | 50    | 60        | 80          | 100         | 120         | 180         | 240         |             |
| WIDTH             | TRIM LTH.* | SLASH | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      |
| 2                 | 4          | 1/2   | 20        |             | 08834155420 | 08834155421 | 08834155422 | 08834155423 | 08834155425 |
| 2                 | 5          | 1/2   | 20        |             |             | 08834155637 |             | 08834155639 |             |
| 3                 | 4          | 1/2   | 20        | 08834155430 | 08834155431 | 08834155432 | 08834155433 | 08834155434 | 08834155436 |
| 3                 | 5          | 1/2   | 20        |             |             | 08834155648 |             |             |             |
| 4                 | 4          | 1/2   | 20        | 08834155443 | 08834155444 | 08834155445 | 08834155446 | 08834155447 | 08834155449 |
| 4                 | 5          | 1/2   | 20        |             | 08834155658 | 08834155659 |             | 08834155661 | 08834150383 |

All FlexDrum segments are available as non-stock. Contact your Norton/Merit representative for current lead-times.

\*Trim Length is the actual usable length of segment when loaded



TECH TIP

FlexDrums can be used for polishing large IDs. Just load half the segments with a wheel diameter 1/2" to 1" larger than the ID of your workpiece.



## Hub Units

- FlexDrum hubs are perfectly balanced, last indefinitely and are available in widths from 1-1/2" to 12"
- Extra wide widths are available up to 144" as made-to-order products

| MODEL NO.                 | D x W         | ARBOR HOLE/THREAD | SEGMENTS PER HUB | PART #      |
|---------------------------|---------------|-------------------|------------------|-------------|
| <b>FlexDrum Hub Units</b> |               |                   |                  |             |
| 81.5-B                    | 2-3/8 x 1-1/2 | 1 AH              | 12               | 08834140065 |
| 82-B                      | 2-3/8 x 2     | 1 AH              | 12               | 08834141049 |
|                           |               | 5/8-11 THD        | 12               | 08834140048 |
| 83-B                      | 2-3/8 x 3     | 1 AH              | 12               | 08834141018 |
|                           |               | 5/8-11 THD        | 12               | 08834140034 |
| 84-B                      | 2-3/8 x 4     | 1 AH              | 12               | 08834140066 |
|                           |               | 5/8-11 THD        | 12               | 08834140049 |
| 122-B                     | 4 x 2         | 1-1/4 AH          | 20               | 08834140050 |
| 123-B                     | 4 x 3         | 1-1/4 AH          | 20               | 08834140051 |
| 124-B                     | 4 x 4         | 1-1/4 AH          | 20               | 08834140061 |
| 142-B                     | 6 x 2         | 1-1/4 AH          | 30               | 08834140062 |
| 143-B                     | 6 x 3         | 1-1/4 AH          | 30               | 69957399208 |
| 144-B                     | 6 x 4         | 1-1/4 AH          | 30               | 08834141060 |
| 840-B2                    | 8 x 2         | 1-1/4 AH          | 40               | 63642592550 |
| 840-B4                    | 8 x 4         | 1-1/4 AH          | 40               | 63642592548 |

All FlexDrum hub units are available as non-stock. Contact your Norton/Merit representative for current lead-times.



**2-3/8" DIAMETER HUB  
WITH 1" ARBOR HOLE**  
8" WHEEL WHEN LOADED



**2-3/8" DIAMETER HUB ALSO  
AVAILABLE WITH 5/8"-11 ARBOR**  
8" WHEEL WHEN LOADED



**4" DIAMETER HUB**  
12" WHEEL WHEN LOADED



**8" DIAMETER HUB**  
16" OR 18" WHEEL WHEN LOADED



**6" DIAMETER HUB**  
14" OR 16" WHEEL WHEN LOADED

**MERIT**

## FlexDrum Reference Charts

FlexDrums can be mounted on any type of arbor.

### Weights

| DIAMETER                             | WEIGHT                      |
|--------------------------------------|-----------------------------|
| <b>Weight of Hubs*</b>               |                             |
| 4" Diameter Hub                      | 1.5 lbs./inch of width      |
| 6" Diameter Hub                      | 2 lbs./inch of width        |
| 8" Diameter Hub                      | 2.5 lbs./inch of width      |
| <b>Weight of Hubs with Segments*</b> |                             |
| 4" Diameter Hub                      | 3.4 - 4 lbs./inch of width  |
| 6" Diameter Hub                      | 5 - 5.5 lbs./inch of width  |
| 8" Diameter Hub                      | 6.75 - 7 lbs./inch of width |

\*Approximate values. Actual weight will depend on abrasive type and overall width of hub.

### FlexDrum Maximum RPM

| WHEEL DIAMETER | MAXIMUM RPM |
|----------------|-------------|
| 8              | 4,500       |
| 12             | 3,000       |
| 14             | 2,500       |
| 16             | 2,200       |
| 18             | 2,000       |

### Recommended H.P. Required

| HUB             | H.P.                   |
|-----------------|------------------------|
| 4" Diameter Hub | 1/2 H.P./inch of width |
| 6" Diameter Hub | 3/4 H.P./inch of width |
| 8" Diameter Hub | 1 H.P./inch of width   |

### Recommended Surface Feet per Minute for using FlexDrum Wheels on Various Materials

| MATERIAL                 | SFPM  |
|--------------------------|-------|
| Mild Steel               | 5,000 |
| Stainless Steel          | 6,500 |
| Alloy Steel              | 5,000 |
| Titanium                 | 3,500 |
| Hard Aluminum            | 5,500 |
| Nonferrous               | 5,000 |
| Rubber                   | 4,500 |
| Hardwood (edge breaking) | 4,000 |
| Softwood                 | 3,500 |
| Thermoplastic            | 3,000 |



**MERIT**

### FlexDrum Hub Specification Chart

| MODEL NO.                  | 82-B            | 121-B        | 141-B      | 840-B      |
|----------------------------|-----------------|--------------|------------|------------|
| Diameter of Finished Wheel | 8               | 12           | 14 or 16   | 16 or 18   |
| Diameter of Hub Alone      | 2-3/8           | 4            | 6          | 8          |
| Arbor Hole                 | 1 or 5/8-11 thd | 3/4 to 1-3/4 | 1 to 3-1/2 | 1-1/4 to 5 |
| Segments Per Hub           | 12              | 20           | 30         | 40         |

### How to Determine Diameter of Finished FlexDrums

| HUB DIAMETER | TRIM LENGTH (X2) | FINISHED WHEEL |
|--------------|------------------|----------------|
| 2-3/8        | 2-3/4            | 8              |
| 4            | 4                | 12             |
| 4            | 5                | 14             |
| 6            | 4                | 14             |
| 6            | 5                | 16             |
| 8            | 4                | 16             |
| 8            | 5                | 18             |

## TECH TIP

For surface feet per minute, use the following calculation: SFPM = .262 x DIA (in inches) x RPM.



## Coated Abrasives

A coated abrasive product is made up of three basic raw materials: an abrasive mineral, the backing onto which the abrasive is applied, and an adhesive bond.

### Abrasive Types

#### Emery (6)

Emery is a dark gray, round-shaped grain which tends to polish rather than abrade a work surface.

- For polishing and cleaning metal only

#### Garnet (5)

Garnet is reddish brown in color. This natural abrasive is medium hard and relatively sharp, but not as durable as synthetic abrasives.

- For use on wood only
- Particularly good for soft woods such as pine
- Produces an excellent finish

#### Silicon Carbide (4)

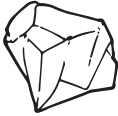
Silicon carbide is the hardest and sharpest of the manufactured abrasives. Because of its extreme sharpness, this bluish-black abrasive grain permits fast stock removal and cool cut.

- Cast iron
- Non-ferrous metals, i.e. brass, aluminum and bronze
- Non-metallics, i.e. glass, rubber, plastic and stone
- Final finish on wood and stainless steel
- Abrasive planing particleboard

#### Light Brown Aluminum Oxide (2)

Light brown aluminum oxide is a tough, yet sharp synthetic abrasive characterized by cool cut, long life and the ability to break down under pressure, producing new cutting edges.

- Production wood sanding
- Non-ferrous metal finishing



#### Brown Aluminum Oxide (2, 7)

Brown aluminum oxide is a tough, durable, synthetic abrasive characterized by the long life and wear resistance of its cutting edges. It offers enormous penetrating strength, even at high speeds.

- Ferrous metals
- Aluminum
- Hardwood



#### Heat-treated Aluminum Oxide (2)

Heat-treated aluminum oxide is a tough but cool cutting abrasive which gives both long life and freeness of cut on a wide range of materials.

- Ferrous metals
- Wood sanding



#### Zirconia Alumina (8)

Zirconia alumina is an ultra-tough, synthetic abrasive which provides a free, cool cut for high stock removal applications. It is tougher and sharper than aluminum oxide. It has a micro-crystalline structure which allows for controlled breakdown and self-sharpening.

- Heavy-duty snagging and grinding of all ferrous and non-ferrous metals
- Abrasive planing of wood, plywood and particleboard
- Grinding fiberglass, rubber and plastics



#### Ceramic Alumina (9)

The sub-micron structure of ceramic alumina allows each grain to continually expose sharp cutting points, resulting in a cooler cutting action and an extended life.

- All ferrous/non-ferrous metals, carbon steel and exotic alloys



## Backing Types

Backings are the base for the abrasive minerals and, combined with the adhesive bond, support and anchor the abrasive mineral. The backings used in the manufacture of coated abrasives are:

### Paper

Due to the fine surface of paper, a consistent finish is produced. Paper weights include *A, B, C, D, E* and *F* weights with *A* being the lightest and most flexible and *F* being the heaviest and least flexible. *A, B, C* and *D* weight papers are used for hand sanding and light mechanical operations in the form of sheets, PSA (pressure sensitive adhesive) and hook and loop discs and sheet rolls. *E* and *F* weight papers are primarily used for more aggressive mechanical operations in the form of belts and discs.

### Cloth

Cloth backings used for coated abrasives are identified by weight. Cloth backings are filled or "finished" with a variety of materials (glues or resins) to create various backing characteristics, most notably flexibility. Several cloth types are used: cotton, polyester, polyester/nylon and polyester/cotton blends, and rayon.

There are three basic weights of cloth: J-weight or "jeans" is the lightest and most flexible. X-weight or "drills" is a heavier cloth that ranges in flexibility, strength and durability and is used on the broadest range of applications. Y-weight is a heavyweight drills cloth used on heavy-duty, high stock removal operations.

### Fiber

Vulcanized fiber (cotton fibers which are chemically treated and then pressed under temperature and pressure to form a very durable backing) is used exclusively as the backing for resin fiber discs.

### Film

Polyester film backing comes in 3 mil. and 5 mil. thicknesses, which have high strength and surface smoothness. They are used primarily in disc and roll applications requiring consistent surface finish.

### Foam

Primarily used as backing for sponges, finer grit finishing discs, and buffing and polishing pads for cleaning and moist finishing applications.

## Bond Types

An adhesive bond system is required to secure the abrasive mineral to the backing. All coated abrasive products are made with a two stage bonding process, the *make coat* and the *size coat*.

The *make coat* is the first layer of bond applied to the backing. The make coat provides the adhesive base between the abrasive mineral and the backing.

The *size coat* is the second coat, which is applied over the abrasive mineral and make coat to anchor the abrasive mineral and provide the desired physical strength of the finished product.

*Glue, urea resin, and phenolic resin* are the three basic bonding agents most commonly used. There are many size coat and make coat combinations, such as *glue over glue, urea over glue, and resin over resin*. *Glue over glue* is the most flexible bond while *resin over resin* bond is moisture-resistant, harder, less flexible, heat-resistant and has superior grain retention.

## Coating Types

There are two types of abrasive coatings used in the manufacturing of coated abrasives: *open coat* and *closed coat*.

### Open Coat

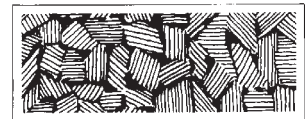
With an open coat, 50% to 75% of the surface is covered by abrasive grain. There are evenly spaced voids between the particles of grain, helping reduce the effect of loading caused by wood dust or metal particles.



OPEN COAT  
(1/3 LESS GRAIN THAN CLOSED)

### Closed Coat

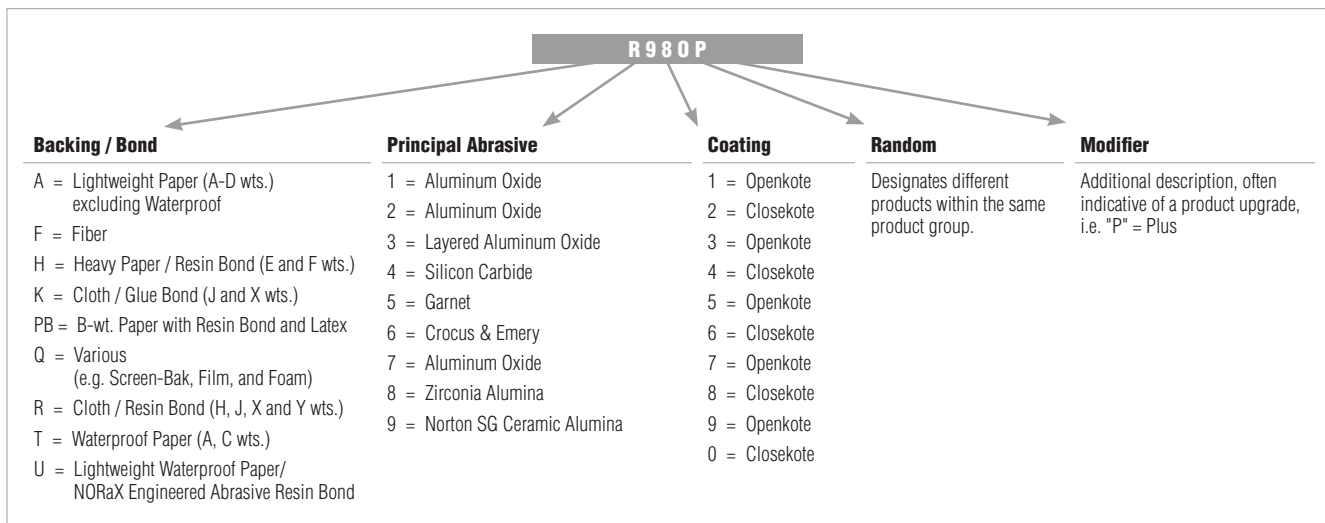
With a closed coat, the entire surface is covered with abrasive grain, with no voids between the particles. This is the most typical coating, permitting the greatest degree of stock removal and longest product life.



CLOSED COAT

## How to Read a Coated Abrasive Specification

The Norton coated abrasive marking system includes both a generic and a technical marking, which identifies the actual components which make up the product. The markings identify the tradename, abrasive type, bond, backing, and any special features. An example would be: Norton Blaze R980P.





## Coated Abrasive Grit Comparison Chart

| AVERAGE PARTICLE SIZE IN MICRONS | GRADING SYSTEMS (OTHER THAN EMERY) |       |      | EMERY PRODUCTS |
|----------------------------------|------------------------------------|-------|------|----------------|
|                                  | ANSI                               | FEPA  | JIS  |                |
| 5.0                              | -                                  | -     | -    | -              |
| 6.0                              | -                                  | -     | 3000 | -              |
| 6.5                              | 1200                               | -     | 2500 | 4/0            |
| 8.4                              | -                                  | P2500 | -    | -              |
| 8.5                              | -                                  | -     | 2000 | -              |
| 9.2                              | 1000                               | -     | -    | 3/0            |
| 10.3                             | -                                  | P2000 | -    | -              |
| 10.5                             | -                                  | -     | 1500 | -              |
| 12.2                             | 800                                | -     | 1200 | -              |
| 12.6                             | -                                  | P1500 | -    | -              |
| 15.0                             | -                                  | -     | -    | -              |
| 15.3                             | -                                  | P1200 | 1000 | -              |
| 16.0                             | 600                                | -     | -    | 2/0            |
| 18.3                             | -                                  | P1000 | 800  | -              |
| 19.7                             | 500                                | -     | -    | 0              |
| 20.0                             | -                                  | -     | -    | -              |
| 21.8                             | -                                  | P800  | -    | -              |
| 23.6                             | 400                                | -     | 600  | -              |
| 25.0                             | -                                  | -     | -    | -              |
| 25.75                            | -                                  | P600  | -    | -              |
| 28.8                             | 360                                | -     | 500  | -              |
| 30.0                             | -                                  | P500  | -    | -              |
| 35.0                             | -                                  | P400  | 400  | -              |
| 36.0                             | 320                                | -     | -    | -              |
| 40.0                             | -                                  | -     | 360  | -              |
| 40.5                             | -                                  | P360  | -    | -              |
| 44.0                             | 280                                | -     | -    | 1              |
| 45.0                             | -                                  | -     | -    | -              |
| 46.2                             | -                                  | P320  | 320  | -              |
| 50.0                             | -                                  | -     | -    | -              |
| 52.5                             | -                                  | P280  | 280  | -              |
| 53.5                             | 240                                | -     | -    | -              |
| 55.0                             | -                                  | -     | -    | -              |
| 58.5                             | -                                  | P240  | -    | -              |
| 60.0                             | -                                  | -     | 240  | -              |
| 64.0                             | -                                  | -     | -    | 2              |
| 65.0                             | -                                  | P220  | 220  | -              |
| 66.0                             | 220                                | -     | -    | -              |
| 78.0                             | 180                                | P180  | 180  | -              |
| 79.0                             | -                                  | -     | -    | 3              |
| 93.0                             | 150                                | -     | 150  | -              |
| 95.0                             | -                                  | -     | -    | FINE           |
| 97.0                             | -                                  | P150  | -    | -              |
| 116.0                            | 120                                | -     | 120  | -              |
| 127.0                            | -                                  | P120  | 100  | -              |
| 136.0                            | -                                  | -     | -    | MEDIUM         |
| 141.0                            | 100                                | -     | -    | -              |
| 156.0                            | -                                  | P100  | -    | -              |
| 189.0                            | -                                  | -     | -    | COARSE         |
| 192.0                            | 80                                 | -     | 80   | -              |
| 197.0                            | -                                  | P80   | -    | -              |
| 260.0                            | -                                  | P60   | -    | -              |
| 268.0                            | 60                                 | -     | 60   | -              |
| 326.0                            | -                                  | P50   | 50   | -              |
| 341.0                            | -                                  | -     | -    | EX. COARSE     |
| 351.0                            | 50                                 | -     | -    | -              |
| 412.0                            | -                                  | P40   | 40   | -              |
| 428.0                            | 40                                 | -     | -    | -              |
| 524.0                            | -                                  | P36   | -    | -              |
| 535.0                            | 36                                 | -     | 36   | -              |
| 622.0                            | -                                  | P30   | -    | -              |
| 638.0                            | 30                                 | -     | 30   | -              |
| 715.0                            | 24                                 | -     | -    | -              |
| 740.0                            | -                                  | P24   | 24   | -              |
| 905.0                            | 20                                 | -     | -    | -              |
| 984.0                            | -                                  | P20   | 20   | -              |
| 1320.0                           | 16                                 | -     | 16   | -              |
| 1324.0                           | -                                  | P16   | -    | -              |
| 1764.0                           | -                                  | P12   | -    | -              |
| 1842.0                           | 12                                 | -     | -    | -              |

## Coated Abrasive Storage

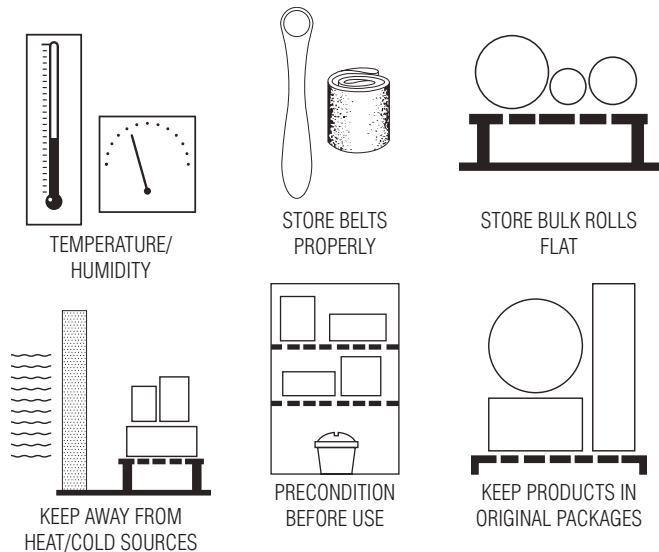
Stored under proper conditions, coated abrasives will retain their efficiency and usefulness over long periods. Improper or inadequate storage can introduce problems of weakened bond, curl, brittleness, and breakage.

Temperature and humidity are the two most important climatic factors influencing coated abrasive performance. Backings and adhesives are sensitive to climatic changes and will gain or lose moisture according to the relative humidity of their surroundings.

Excessive humidity may cause a softening of some types of adhesive bonds so that the product quickly fills and clogs, or loses its grain during use. Excessive dryness may cause brittleness, reduced flexibility, and distortion of product shapes.

As moisture in the coated abrasive product increases or decreases, dimensional changes can occur. When the backing changes more than the adhesive bond, it causes cupping. High and low humidity can cause concave and convex cupping respectively.

The newer synthetic-backed belts are not affected by moisture. Broad temperature swings will not permanently harm these products either, but cold temperatures will cause a "cold set" condition. Consequently, these products should be allowed to come to room temperature before use.



### Storage Facilities

The ideal storage (stock) room for coated abrasives would be one in which all the walls are inside partitions, rather than the outside walls of the building.

- Constant levels of humidity and temperature should be maintained. Stockroom temperature should be 60-degrees to 80-degrees F and relative humidity between 35 and 50%.
- Cartons should be kept away from damp or cold walls and floors, where they might absorb moisture.
- Store coated abrasives away from heat sources – steam heated radiators, steam pipes, hot air inlets, heat ducts, or rooms near furnaces or ovens.
- Keep products in original packages. These packages facilitate handling and can be stacked in the most practical and convenient manner.
- Bulk rolls should not be allowed to stand on edge after they have been unpacked. Store flat on shelves or pallets.
- Narrow belts which have been removed from the carton should be rolled up and stored on edge on a clean shelf. Belts may be draped over a large cylinder, such as a gallon can, brake drum, or flanged hanger of the type used for a garden hose. Never hang a belt from a nail – the backing will crease and the abrasive belt might crack. Wide belts should be hung over a tube of at least 4" diameter. Center the belt joint over the tube and add a light weight (such as old packaging tubes) to the bottom loop of the belt to aid in removing set. Condition for 24 hours prior to use.
- For maximum product efficiency, precondition coated abrasive products in a chamber of controlled temperature and humidity before use.