

**NORTON**

SAINT-GOBAIN®



ABRASIVE PRODUCT SOLUTIONS FOR THE

# WELDING AND METAL FABRICATION MARKET

EFFECTIVE | 2015



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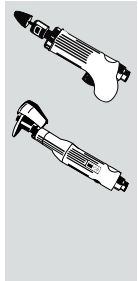
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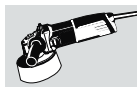
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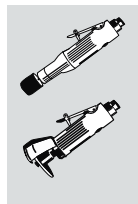
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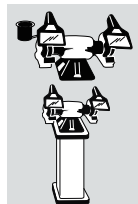
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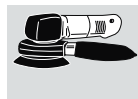
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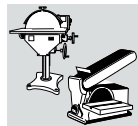
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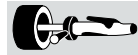
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|                                |         |
|--------------------------------|---------|
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## BENCHSTAND GRINDERS



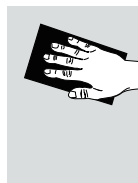
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## SANDING BOARDS



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

**A** **NON-WOVEN QUICK-CHANGE DISCS**

MACHINES USED

**D**

**B** **CATEGORY DEFINITION**

Norton and Merit non-woven quick-change discs are a combination of strong synthetic mesh and quality abrasives, bonded together by a smear-resistant adhesive. They are ideal for use on portable tools to clean and remove imperfections on metal surfaces, clean, deburr or finish a variety of surfaces, blend weld seams, or create decorative finishes. The open construction of the non-woven material enables aggressive cutting action and improved surface finish while maintaining its non-loading feature.

**APPLICATIONS:** Medium-light stock removal, beveling, deburring/deflashing, rust removal, blending, cleaning and finishing, polishing

**SURFACE FINISHING MATERIALS:** Surface stripping, surface deburring and blending, surface preparation, buffing, and polishing

**MATERIALS:** 3/4" - 8" diameter

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

**ABRASIVE GRAIN:** Ceramic Alumina, Aluminum Oxide, Silicon Carbide

**ATTACHMENT:** Quick-Change Type TR (Type III), Type TS (Type II), and Type TP (Type I)

**BACK-UP PADS:** Rubber with hardness variations for different applications

**QUICK-CHANGE ATTACHMENT SYSTEMS AND CROSS REFERENCE GUIDE**

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

**E** **Type TS (Type II)**

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

**Type TR (Type III)**

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

**Type TP (Type I)**

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

|                  | TS           | TR          | TP           |
|------------------|--------------|-------------|--------------|
| <b>NORTON</b>    |              |             |              |
| <b>3M</b>        | Roloc TS/TSM | Roloc TR    | Roloc TP     |
| <b>Standard</b>  | TS (SocAbr)  | TR (LockIt) | TP (ClickOn) |
| <b>Superior</b>  | Type S       | Type R      | -            |
| <b>Arc</b>       | Type S       | Type R      | Type P       |
| <b>Pferd</b>     | Type CD      | Type CDR    | -            |
| <b>Salt</b>      | SALT-LOK     | SALT-LOK-R  | -            |
| <b>Camec</b>     | Turn On      | Roll On     | -            |
| <b>Klingspor</b> | DMC          | EPG         | -            |
| <b>Garryson</b>  | Type S       | Type R      | -            |

**APPLICATION/GRIT RECOMMENDATION GUIDE**

← MOST AGGRESSIVE      VORTEX RAPID BLEND      VORTEX RAPID PREP      RAPID PREP      ← LEAST AGGRESSIVE

|                        | BEST CHOICE          |  | SECOND CHOICE       |  |
|------------------------|----------------------|--|---------------------|--|
| <b>NORTON</b>          | RAPID STRIP          |  | HS BUFFING, BUFFING |  |
| <b>MERIT</b>           | DEBURRING & BLENDING |  |                     |  |
| <b>SCALE REMOVAL</b>   | BEST CHOICE          |  | SECOND CHOICE       |  |
| <b>STOCK REMOVAL</b>   | BEST CHOICE          |  | SECOND CHOICE       |  |
| <b>HEAVY DEBURRING</b> | SECOND CHOICE        |  | BEST CHOICE         |  |
| <b>LIGHT DEBURRING</b> | BEST CHOICE          |  | SECOND CHOICE       |  |
| <b>LIGHT FINISHING</b> |                      |  | BEST CHOICE         |  |
| <b>BLENDING</b>        |                      |  | BEST CHOICE         |  |
| <b>CLEANING</b>        |                      |  | SECOND CHOICE       |  |
| <b>FINISHING</b>       |                      |  |                     |  |

## How Do I Match My End-User Needs?

- F Application recommendations
- G Best / Better / Good performance color coding
- H Full application / grit guide

## How Do I Match or Upgrade from a Competitive Product?

- I Cross reference guide

**Easy to Follow Page Guide**  
*Key Questions to Simplify Product Selection*

### Am I in the Right Section?

- A Product
- B Category overview
- C General attributes
- D Correct machine use

### How Do I Narrow my Choices?

- E Product design variations

**F**

**FLAP DISCS**

MACHINE USED

**MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE**

|   | BEST<br>Highest Productivity - Lowest Total Cost | BETTER<br>Excellent Blend of Performance & Price | GOOD<br>Consistent Performance - Lowest Total Cost |
|---|--|--|--|
| <b>Type 29 for Stock Removal</b>          |  |  |  |
| Stainless Steel / Titanium / Super Alloys | Norton Blaze R980P                               | Norton BlueFire R884P                            | Norton Neon R766                                   |
| Mild Carbon Steel / Welds                 | Norton Red Heat R961                             | Norton BlueFire R884P                            | Norton Neon R766                                   |
| Ferrous Metals / Cast Iron                | Norton Red Heat R961                             | Norton BlueFire R884P                            | Norton Neon R766                                   |
| 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 Neon R766                                   |
| Mild Carbon Steel / Welds                 | Norton Red Heat R961                             | Norton BlueFire R884P                            | Norton Neon R766                                   |
| Ferrous Metals / Cast Iron                | Norton Red Heat R961                             | Norton BlueFire R884P                            | Norton Neon R766                                   |
| Brass / Bronze / Aluminum                 | -  | Norton BlueFire R884P                            | Norton Neon R766                                   |

**APPLICATION/GRIT RECOMMENDATION GUIDE**

← COARSER (GRINDING)      FINER (FINISHING) →

| GRIT:                           | 24               | 36 | 40 | 50 | 60           | 80 | 100 | 120 |
|---------------------------------|------------------|----|----|----|--------------|----|-----|-----|
| <b>HEAVY STOCK REMOVAL</b>      |                  |    |    |    |              |    |     |     |
| <b>EDGE CHAMFERING/DEVELING</b> |                  |    |    |    |              |    |     |     |
| <b>WELD BLENDING</b>            |                  |    |    |    |              |    |     |     |
| <b>DEBURRING/DEFLASHING</b>     |                  |    |    |    |              |    |     |     |
| <b>RUST REMOVAL/BLENDING</b>    |                  |    |    |    |              |    |     |     |
| <b>CLEANING AND FINISHING</b>   |                  |    |    |    |              |    |     |     |
|                                 | STANDARD DENSITY |    |    |    | HIGH DENSITY |    |     |     |

**CROSS REFERENCE GUIDE**

|                  | TOTAL PERFORMANCE |                     | INITIAL PRICE             |   |
|------------------|-------------------|---------------------|---------------------------|---|
|                  | BEST              | BETTER              | GOOD                      | NEON R766   |
| <b>NORTON</b>    | Blaze R980P       | Red Heat R961       | BlueFire R884P            | Neon R766   |
| <b>3M</b>        | S4TD              | 747D                | 563D, 545D                | -   |
| <b>DeWalt</b>    | -                 | -                   | -                         | Z/A   |
| <b>Camec</b>     | -                 | CS                  | Z-Steelless               | ZS, AS  |
| <b>Flecevit</b>  | -                 | -                   | -                         | Zirconox Premium, Zirconox HP                     |
| <b>Garryson</b>  | -                 | -                   | Zirc, Zirconium           | Aluminum Oxide                                    |
| <b>Gen-Tec</b>   | -                 | Ceramic             | -                         | Zirconia, A/O                                     |
| <b>Hormen</b>    | -                 | -                   | -                         | -   |
| <b>Klingspor</b> | -                 | -                   | SMT 630                   | SMT 618, 619, 624, 626, 627, 628, 640             |
| <b>Metabe</b>    | -                 | -                   | -                         | Z/A   |
| <b>Pearl</b>     | -                 | Stainless Max       | Zirconia Premium, TuffMax | Z/A Silver Line, Premium A/O Classic, Silver Line |
| <b>Pferd</b>     | -                 | Ceramic             | Cool Zirconia, CO-COOL    | Zirconia, Cool Aluminum Oxide, Aluminum Oxide     |
| <b>Salt</b>      | -                 | -                   | -                         | Z, 2A, 3A   |
| <b>SIA</b>       | -                 | -                   | -                         | Z/A   |
| <b>Standard</b>  | -                 | Ceramic Oxide       | Zirconia Pro              | Zirconia  |
| <b>Tyrolit</b>   | -                 | -                   | -                         | A/O   |
| <b>Walter</b>    | -                 | -                   | -                         | -   |
| <b>Weller</b>    | -                 | Saber Tooth Ceramic | -                         | Tiger Zirconium, A/O, Vortec                      |



### What are the Leading Products by Tier?

- J Features and benefits
- K New and/or improved
- L Unique and/or innovative

#### DEPRESSED CENTER WHEELS

MACHINE USED



##### FEATURED PRODUCTS



##### NORTON METAL/MASONRY

GOOD CHOICE FOR STEEL/FERROUS METAL AND MASONRY APPLICATIONS WITH LOW INITIAL PRICE

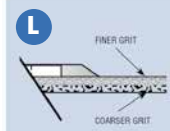
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|--|--|
| <b>FEATURES</b>  | <b>BENEFITS</b>  |
| <ul style="list-style-type: none"> <li>■ Low initial price point</li> <li>■ Metal – aluminum oxide</li> <li>■ Masonry – sharp silicon carbide</li> </ul> | <ul style="list-style-type: none"> <li>■ Best starting specification for end user unable to measure performance</li> <li>■ Engineered for all steel/ferrous materials</li> <li>■ Engineered for all masonry materials such as concrete, brick and asphalt</li> </ul> |



##### NORTON DIALAST DIAMOND WHEELS

BEST FOR METAL PLATE, PIPE, TUBING, CAST IRON, CARBON AND MILD STEEL, FOUNDRY AND WELDING APPLICATIONS, AND CERAMICS

- |   |  |
|---|--|
| <b>FEATURES</b>   | <b>BENEFITS</b>  |
| <ul style="list-style-type: none"> <li>■ A combination of high-quality diamond and advanced braided single-layer bonding technology</li> <li>■ Environmentally friendly grinding</li> </ul> | <ul style="list-style-type: none"> <li>■ Extra-long life vs. conventional abrasives or other vacuum-brazed diamond tools</li> <li>■ Retains the diamond grains and wheel shape for full life with low spark, while keeping a continuous grinding depth</li> <li>■ Less blade changes reduce downtime and labor costs</li> <li>■ Generate minimal dust</li> </ul> |



##### Norton Fine, Hard Back Depressed Center Wheels Boost Productivity and Wheel Life

Versus Competitors' Monolithic Design (2 coarse layers)

Our fine, hard back (a finer-grit mixture in the top half of the grinding wheel) limits premature shedding or "spalling" and allows for a smoother grinding action from the periphery to the hub.

- At the proper grinding angle, a sharp bevel is produced at the wheel periphery
- As the wheel wears, this thin edge become susceptible to stress
- A coarse grit back is much more likely to break away prematurely resulting in unnecessary wheel loss and quite possibly an injury to operator and others



##### Norton Depressed Center Adapter Kit

This reusable adapter kit contains everything you need to mount depressed center wheels and saucers with 7/8" center holes on to portable right angle or vertical shaft grinders. Adapter hubs are threaded for mounting on to standard 5/8"-11 NCRH spindles.

| KIT NO. | WHEEL DIAMETER | WHEEL THICKNESS | PART #     | STD. PKG. |
|---------|----------------|-----------------|------------|-----------|
| 114     | 6" thru 9"     | 1/16" thru 1/4" | 6766078275 | 1         |

#### FIBER DISCS

AVAILABILITY

MACHINES USED



| SIZE (D x H) | GRIT        | STD. PKG. | SUPERFINE   |               |                | STD. PKG.   | PART #      |             |
|--------------|-------------|-----------|-------------|---------------|----------------|-------------|-------------|-------------|
|              |             |           | BLAZE F900  | RED HEAT F901 | RED HEAT F901S |             |             |             |
| 4-1/2 x 7/8  | 24          | 25        | 6957298000  | 77696008400   | 77696008462    | 25          | 66261138457 |             |
|              | 36          | 25        | 6957298001  | 77696008401   | 77696008465    | 25          | 66261138456 |             |
|              | 50          | 25        | 6957298002  | 77696008402   | 77696008466    | 25          | 66261138454 |             |
|              | 50          | 50        | 6957298003  | 77696008403   | 77696008467    | 25          | 66261138453 |             |
|              | 60          | 25        | 6957298004  | 77696008404   | 77696008470    | 25          | 66261138452 |             |
|              | 80          | 25        |             | 77696008405   |                | 25          | 66261138451 |             |
|              | 100         | 25        |             | 77696008406   |                | 25          | 66261138450 |             |
|              | 120         | 25        | 66254403332 | 77696008407   | 77696008480    | 25          | 66261138563 |             |
|              | 5 x 7/8     | 24        | 25          | 6957298005    | 77696008408    |             | 25          | 66261138562 |
|              |             | 36        | 25          | 66254404822   | 77696008412    | 77696008481 | 25          | 66261138561 |
| 36           |             | 50        | 6957298006  | 77696008413   | 77696008482    | 25          | 66261138560 |             |
| 50           |             | 25        | 66254404821 | 77696008414   | 77696008483    | 25          | 66261138559 |             |
| 50           |             | 50        | 6957298007  | 77696008415   | 77696008484    | 25          | 66261138558 |             |
| 60           |             | 25        | 66254404820 | 77696008416   | 77696008485    | 25          | 66261138557 |             |
| 80           |             | 25        | 6957298008  | 77696008417   | 77696008486    | 25          | 66261138556 |             |
| 100          |             | 25        | 6957298009  | 77696008418   | 77696008487    | 25          | 66261138555 |             |
| 120          |             | 25        | 66254403332 | 77696008419   | 77696008488    | 25          | 66261138554 |             |
| 7 x 7/8      |             | 24        | 25          | 6957298010    | 77696010006    |             | 25          | 66261138553 |
|              | 36          | 25        | 6957298011  | 77696010007   |                | 25          | 66261138552 |             |
|              | 50          | 25        | 6957298012  | 77696010008   |                | 25          | 66261138551 |             |
|              | 60          | 25        | 6957298013  | 77696010009   |                | 25          | 66261138550 |             |
|              | 80          | 25        | 6957298014  | 77696010010   |                | 25          | 66261138549 |             |
|              | 100         | 25        | 66254411528 | 77696010011   |                | 25          | 66261138548 |             |
|              | 120         | 25        | 66254411528 | 77696010012   |                | 25          | 66261138547 |             |
|              | 9-1/8 x 7/8 | 24        | 25          | 6957298015    | 77696010013    |             | 25          | 66261138546 |
|              |             | 36        | 25          | 6957298016    | 77696010014    |             | 25          | 66261138545 |
|              |             | 50        | 25          | 6957298017    | 77696010015    |             | 25          | 66261138544 |
| 60           |             | 25        |             | 77696010016   |                | 25          | 66261138543 |             |
| 80           |             | 25        |             | 77696010017   |                | 25          | 66261138542 |             |

NOTE: FIBER DISCS MUST BE USED WITH BACK-UP PADS SHOWN ON THE LAST PAGE OF THIS SECTION  
 # SHOWN IN THIS FIG. PACK: 10 DISCS PER BACK, 5 PACKS PER STANDARD PACKAGE.  
 ♣ = VENDOR PACKAGE, IDEAL FOR VENDING MACHINES & SMALL JOBS. 10 DISC PACKAGE, 5 PACKS PER CARTON. ORDER IN MULTIPLES OF 50.

#### The Perfect Product for Every Performance/Price Level

L



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



**NORTON NEON**  
 New aluminum oxide and ceramic blend provides the best starting specification (and performance) when initial price is the primary purchasing consideration.

50

NORTON

#### Professionals Want Choices

already provide the best wheels in the industry. Invented and made in America, now proved and expanded. The **Norton NorZon Plus** ceramic alumina BEST tier (highest productivity/lowest total cost) line has a wheel for all your right angle grinder applications: NorZon Plus Fast Cut wheels - for your applications requiring the fastest cut rate and quickest project completion. NorZon Plus Long Life wheels - for your most demanding applications. The Original NorZon Plus All Purpose wheels - for the lowest overall cost.

Choice is Yours!

### How Do I Find What I Want Now That I Know What I Want?

- M Visual identification
- N Key product attributes
- O Full specification and product number



# a technology leader **FOCUSED ON INNOVATION**

For stock removal, rough blending, grinding and cutting, bonded abrasive products are constructed to tackle the heavy-duty dimensioning work of all material types.



## Professionals Want Choices

Norton NorZon Plus is the highest performance line in the industry. Invented and made in America, now improved and expanded. Fastest cutting (FastCut), lowest total cost (All Purpose), and longest lasting (Long Life).



## Performance on Fire

Engineered with a proprietary NorZon grain upgrade, the Norton BlueFire design offers faster removal rate, longer product life and increased productivity for better performance value.



## The Right Choice Every Time

The re-engineered Norton Gemini RightCut 100% aluminum oxide wheels provide thinner, faster cutting with a burr-free, precision cut and improved operator comfort.



**CATEGORY DEFINITION**

Depressed center wheels may also be referred to as raised hub wheels or by their shape designation of “Type”, with Type 27 being the most popular. The depressed center design allows the flange/lock nut to recess within the wheel so that it can be used for various grinding and cutting applications. Depressed center wheels are designed to handle the most severe right angle grinding applications from heavy stock removal to rough blending. More recently, depressed center wheels have been designed to increase the utility of the tool for cut-off applications. While large right angle grinders (7" & 9") have been around for many years, small or mini grinders that handle 4", 4-1/2" and 5" wheels have made this machine, and wheel category, the most popular in power tools.

- APPLICATIONS:** Grinding, stock removal, edge chamfering, beveling, weld blending, and cutting-off
- SIZE RANGE:** 2" – 9"
- THICKNESS RANGE:** .040 – 1/4"
- GRIT RANGE:** 24 – 46 grits for stock removal; 60, 80 grits for blending and finishing
- ABRASIVE GRAIN:** Ceramic Alumina, Diamond, Zirconia Alumina, Aluminum Oxide, Silicon Carbide
- MOUNTING OPTIONS:** Plain hole (3/8", 5/8" and 7/8") and discard mount (5/8"-11)
- SHAPE:** Type 27, Type 28, Type 29

**TYPE-TO-APPLICATION RECOMMENDATION GUIDE**

| WHEEL TYPE/THICKNESS                                  | APPLICATIONS   |               |               |
|---|--|---------------|---------------|
| <b>TYPE 27</b><br>                                    | <b>Type 27 wheels are essentially straight wheels that have a “depressed center/raised hub”.</b> Different types of fiberglass reinforcement mesh give the product stability for use on the periphery, on the face, or a combination of the two.               | <br>90° ANGLE | <br>30° ANGLE |
| .040", .045", and 1/16"<br><b>Type 27/42 RightCut</b> | Cutting only, where fast cutting and low kerf loss are desired   | ■             |               |
| <b>.3/32" and .125" Type 27/42</b>                    | For tough cutting and notching applications where stability is important; cutting and cleaning burr-free narrow root pass welds  | ■             |               |
| <b>1/8" Type 27</b>                                   | For multiple applications ranging from cutting-off, notching and light-duty side grinding  | ■             | ■             |
| <b>1/8" Pipe Notcher Type 27</b>                      | 2-1/2 pieces of reinforcement; durable face grinding; root pass grinding without removing pipe material  | ■             | ■             |
| <b>1/8" Type 27 Flexible</b>                          | For light stock/blending/finishing/polishing   |               | ■             |
| <b>1/8" Type 27 Foundry Notchers</b>                  | Triple-reinforced for grinding steel and dirty/scale-covered castings; removing and cleaning gates and risers  | ■             | ■             |
| <b>1/4" Type 27</b>                                   | For heavy-duty to light grinding on the bottom/face of the wheel   |               | ■             |
| <b>1/4" Type 27 Foundry Snaggers</b>                  | Designed for cleaning parting lines, pads and slag   |               | ■             |
| <b>1/4" Type 27 Heavy-Duty Foundry</b>                | Triple-reinforced for the most aggressive foundry applications   |               | ■             |
| <b>TYPE 28</b><br>                                    | <b>Type 28 wheels are constructed with a downward angle built into the grinding section to facilitate a flatter grinding angle.</b> These wheels can only be used on the face and never on the periphery for cutting-off.                                      |               | <br>15° ANGLE |
| <b>1/4" Type 28 Saucers</b>                           | Smooth, gouge-free grinding at shallow angles  |               | ■             |
| <b>TYPE 29</b><br>                                    | <b>Type 29 wheels are constructed with an upward angle built into the grinding section to provide full face contact for light stock removal and blending operations.</b> These wheels can only be used on the face and never on the periphery for cutting-off. |               | <br>15° ANGLE |
| <b>1/8" Type 29 Flexible, AVOS</b>                    | Polishing and blending applications  |               | ■             |





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 |
|----------------------------------|--|--|--|
| <b>Cutting</b>                   |  |  |  |
| Mild Carbon / High Tensile Steel | Norton NorZon Plus                                       | Norton BlueFire  | Norton Metal   |
| Stainless Steel / Alloys         | Norton NorZon Plus                                       | Norton BlueFire <b>FC/INOX/SS</b>                          | Norton Gemini <b>INOX/SS</b>                               |
| Contaminate Free                 |  | Norton BlueFire <b>FC/INOX/SS</b>                          | Norton Gemini <b>INOX/SS</b>                               |
| Cast Iron                        | Norton NorZon Plus                                       | Norton BlueFire  | Norton Gemini  |
| Gray Iron                        |  | Norton BlueFire Foundry                                    |  |
| Aluminum / Bronze / Brass        |  |  | Norton Gemini Aluminum                                     |
| Asphalt / Brick / Concrete       |  |  | Norton Masonry   |
| Fiberglass / Plastic             |  |  | Norton Masonry   |
| <b>Notching</b>                  |  |  |  |
| Mild Carbon / High Tensile Steel | Norton NorZon Plus                                       | Norton BlueFire  | Norton Metal   |
| Stainless Steel / Alloys         | Norton NorZon Plus                                       | Norton BlueFire <b>FC/INOX/SS</b>                          | Norton Gemini <b>INOX/SS</b>                               |
| Contaminate Free                 |  | Norton BlueFire <b>FC/INOX/SS</b>                          | Norton Gemini <b>INOX/SS</b>                               |
| Cast Iron                        | Norton NorZon Plus                                       | Norton BlueFire  | Norton Gemini  |
| <b>Grinding</b>                  |  |  |  |
| Mild Carbon / High Tensile Steel | Norton NorZon Plus                                       | Norton BlueFire  | Norton Metal   |
| Stainless Steel / Alloys         | Norton NorZon Plus                                       | Norton BlueFire <b>FC/INOX/SS</b>                          | Norton Gemini <b>INOX/SS</b>                               |
| Contaminate Free                 |  | Norton BlueFire <b>FC/INOX/SS</b>                          | Norton Gemini <b>INOX/SS</b>                               |
| Cast Iron                        | Norton NorZon Plus                                       | Norton BlueFire  | Norton Gemini  |
| Gray Iron                        | Norton NorZon Plus Foundry                               | Norton BlueFire Foundry                                    | Norton Gemini  |
| Aluminum / Bronze / Brass        |  |  | Norton Gemini Aluminum                                     |
| Asphalt / Brick / Concrete       |  |  | Norton Masonry   |
| <b>Blending</b>                  |  |  |  |
| Mild Carbon / High Tensile Steel |  |  | Norton Gemini Flexible                                     |
| Stainless Steel / Alloys         |  |  | Norton Gemini Flexible                                     |
| Aluminum / Bronze / Brass        |  |  | Norton Gemini Flexible                                     |
| Fiberglass / Plastic             |  |  | Norton Gemini Flexible                                     |

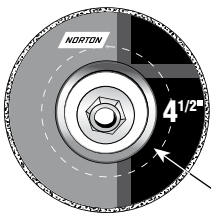
TYPICAL STEEL, STAINLESS STEEL, CAST IRON PRODUCTS: ANGLE IRON, BAR STOCK, DUCTILE PIPE, CHANNEL IRON, DECKING, REBAR, I-BEAMS, RAIL STEEL, STUDS, TUBING, AND WELDS

HOW TO PICK THE RIGHT BOND TYPE

|                         |                |   |
|-------------------------|----------------|---|
| <b>Standard</b>         | Unmarked       | Where an excellent blend of cut rate and life is needed   |
| <b>Fast Cut</b>         | <b>FC</b>      | Where fast stock removal is needed, or the application only allows for low-pressure or under-horsepowered grinders    |
| <b>Long Life</b>        | <b>LL</b>      | Where durability is needed due to severe application, and when horsepower of the grinder allows for heavy pressure    |
| <b>Contaminate Free</b> | <b>INOX/SS</b> | Contain <0.1% iron, sulfur or chlorine for rust-free and corrosion-free results. Will not contaminate stainless steel |

HOW TO PICK THE RIGHT MOUNT

Most wheel sizes come with a plain hole or a discard mount option. While the plain hole has a small, initial cost advantage, the discard mount can provide a labor cost advantage with the quicker wheel change.

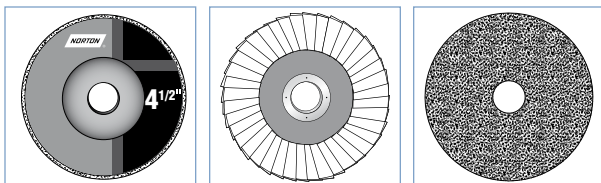


**Mini-Mount Hub**

Our unique, patented mini-mount hub used on 4-1/2" and 5" depressed center wheels provides up to 30% more wheel life because the hub covers just a small surface area, providing maximum grinding area exposure and usage.

STANDARD THROW-AWAY HUB SIZE

WHY CHOOSE DEPRESSED CENTER WHEELS?



**Depressed Center Wheels vs. Flap Discs or Fiber Discs**

- Up to 5X life over flap discs, less downtime
- Up to 100X life over fiber discs, less downtime
- Rigidity for severe operations and high power grinders
- 1/8" wheels can be used for cutting and grinding
- Can be used to grind inside corners at outer edge of wheel



CROSS REFERENCE GUIDES

TYPE 27/42 RIGHTCUT – .040" - 1/16"

| NORTON    | TOTAL PERFORMANCE   |                     |                             | INITIAL PRICE          |                           |                           | SPECIALTY               |
|-----------|---------------------|---------------------|-----------------------------|------------------------|---------------------------|---------------------------|-------------------------|
|           | BEST<br>NorZon Plus | BETTER<br>BlueFire  | GOOD<br>Gemini INOX/SS      | Gemini Long Life       | Gemini                    | Metal                     | GOOD<br>Gemini Aluminum |
| Brilliant | —                   | —                   | —                           | Brill-Blade Heavy Duty | Brill-Blade Extra FC      | Hornet                    | —                       |
| Bullard   | —                   | ZA60T               | —                           | TA46T, TA60T TA60U     | SGA60U                    | A46T, A60T Comp.          | AL46N                   |
| Camel     | —                   | ZA Quickie Cut      | A60-T-BF, WA60R Quickie Cut | Super Quickie Cut      | A36-S-BF                  | —                         | A46 Quickie Cut         |
| Flexovit  | —                   | —                   | —                           | Razorblade A60SST      | Razorblade A24T, 30V, 36T | —                         | —                       |
| Pearl     | —                   | Redline Max Slimcut | —                           | Slimcut                | —                         | Slimcut Pro-V, Silverline | —                       |
| Pferd     | —                   | SGP-ZA-Q-INOX       | SG-A-R-INOX, SGP-A-S-INOX   | SG-A-S, SGP-A-T        | —                         | PSF-A-P                   | S-G-N-ALU               |
| Sait      | —                   | Z-tech              | XA46R                       | —                      | A60S, Saitech             | SAIT.M.X                  | A46N                    |
| Spedecut  | —                   | —                   | —                           | —                      | —                         | A46, 60 TBXX              | —                       |
| Walter    | —                   | —                   | A-60SS-ZIP                  | —                      | A-60-ZIP, A-30-ZIP        | —                         | A-60-ZIP-ALU            |

TYPE 27 AND 28 – 1/8" AND 1/4"

| NORTON    | TOTAL PERFORMANCE          |                              |                               |                   |                  | INITIAL PRICE                           |  |                      |                      | SPECIALTY               |                                 |
|-----------|----------------------------|------------------------------|-------------------------------|-------------------|------------------|---|--|----------------------|----------------------|-------------------------|---------------------------------|
|           | BEST<br>NorZon Plus        | NorZon Plus Long Life        | BETTER<br>BlueFire FC/INOX/SS | BlueFire          | BlueFire Foundry | GOOD<br>Gemini                          | Gemini Fast Cut                            | Gemini INOX/SS       | Metal                | GOOD<br>Gemini Aluminum | Masonry                         |
| Brilliant | —                          | —                            | Brill-Max Z24R                | —                 | —                | Brill-Tex A24UHPXL, A30T                | Brill-Tex A24R Super-G                     | Brill-Tex A30P       | Hornet Metal         | Brill-Tex 30ALU         | Brill-Tex C30P, Hornet Concrete |
| Bullard   | TA24S                      | —                            | ZA24R                         | ZA24R Competitor  | —                | A24R                                    | A24N                                       | A46Q                 | A24R Competitor      | AL36N                   | C24R                            |
| Camel     | —                          | —                            | ZA24T                         | —                 | —                | A24R                                    | Ultra A24-N-BF, A24T Super Quickie Cut     | WA24S                | A24N, R&T Fast Cut   | A30N, Fast Cut          | C24R                            |
| Flexovit  | Flexon ZA20Q               | Flexon ZA24P ZA30T           | —                             | Metalhog AXT24S   | Flexon ZA16U     | High Performance A24/30T                | High Performance A30S, Specialist A30Q & R | Free Grind A30Q      | —                    | Specialist A24ALU       | High Performance C24/30P        |
| Metabo    | —                          | —                            | ZA24T                         | —                 | —                | A24R & T                                | A24N                                       | A360                 | —                    | A36M                    | C24N                            |
| Pearl     | —                          | —                            | Z24T                          | —                 | —                | Premium Metal A24S, Redline Max A/WA24S | Premium Metal A24R, Redline Max A/WA24R    | WA24R, SRT24         | Silver Line A24R & S | D.A. Series AL24M       | Silver Line C24S                |
| Pferd     | —                          | —                            | ZA R SGP, Z-SG                | ZA S GP, ZA T SGP | —                | A-PS, A-SG                              | —  | A-SG INOX, A-PS INOX | —                    | A-SG ALU                | S-SG, Masonry                   |
| Sait      | Saitech Attacker, Pipeline | Saitech Ultimate Performance | Z24R Z-tech                   | —                 | CA24R - Foundry  | A24R, A24 Turbo                         | A24N                                       | XA24Q                | —                    | A46N - Aluminum         | C24N                            |
| Tyrolit   | —                          | —                            | ZA24N-BFX                     | ZA24P-BFX         | ZZA24R-BFX       | A30S & Q-BFX                            | A30R-BFX                                   | A30-BF INOX          | A30-BF               | A36N-BFX WA46-BF        | C30-BF                          |
| Walter    | —                          | —                            | Double-X, Allsteel            | Allsteel XX       | —                | HP                                      | —  | Stainless            | —                    | Aluminum                | Concrete                        |

TYPE 27 – FLEXIBLE 1/8"

| NORTON    | GOOD<br>Gemini Flex |
|-----------|---------------------|
| Brilliant | Brill-Flex          |
| Bullard   | Flexlite AC         |
| Camel     | FGF, Special Wheel  |
| Flexovit  | Flexcel             |
| Metabo    | Z-Plus              |
| Pearl     | Flexible AC         |
| Pferd     | SG-Flex             |
| Sait      | Challenger II       |
| Walter    | Flexcut             |



FEATURED PRODUCTS



EXPANDED OFFERING

**NORTON NORZON PLUS**

BEST/HIGHEST PRODUCTIVITY FOR STEEL, STAINLESS STEEL AND ALL OTHER FERROUS METALS

**FEATURES**

- Combination of Norton SG ceramic alumina and NorZon (zirconia alumina) with an advanced bond system
- NEW! Fast Cut – fastest cutting
- The original All Purpose – lowest total cost and best overall value
- Long Life – longest lasting
- Foundry Snagger
- RightCut wheels for cutting only

**BENEFITS**

- 50 to 200% better overall performance versus competitive zirconia and ceramic wheels
- Lowest total grinding cost; highest productivity
- Up to 10X the performance of aluminum oxide wheels
- Easy on the operator and equipment
- Best option when speed of completion is primary concern, cost of labor is high, heavy grinder is used, and grinding is difficult, or performed in hard-to-reach areas
- Best option when the best combination of life, cut rate, and lowest heat generation is primary concern, and able to measure total cost
- Best option when longest possible life is primary concern, rough grinding conditions require wheel durability, using high cycle, high horsepower grinders and lower labor cost are key
- Designed to withstand the most aggressive foundry application
- Noticeably longer life and faster cut rate
- Less pressure required for first cut



**NORTON BLUEFIRE**

BETTER CHOICE FOR STAINLESS STEEL, CARBON STEEL, ALLOYS AND GRAY IRON

**FEATURES**

- A blend of R&D advanced chemistry and shaped zirconia alumina abrasive and premium aluminum oxide grain
- Contaminate-free BlueFire **FC** (FastCut/Inox/SS)
- BlueFire Foundry
- RightCut wheels for cutting only

**BENEFITS**

- 2-3 times the life of aluminum oxide wheels
- Up to 20% increase in performance and life over our former zirconia alumina wheels
- Broad utility from light-to heavy-pressure applications, on a wide range of materials
- Excellent performance-to-price ratio for lower total grinding costs
- Contain <0.1% iron, sulfur, or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
- Zirconia alumina/silicon carbide abrasive blend and an exceptionally strong reinforcement structure
- The ideal choice for aggressive, foundry applications
- Noticeably longer life and faster cut rate
- Less pressure required for first cut



EXPANDED OFFERING

**NORTON GEMINI**

GOOD CHOICE FOR STEEL AND FERROUS METALS AS WELL AS SPECIALTY APPLICATIONS IN ALUMINUM AND FOUNDRIES

**FEATURES**

- Quality aluminum oxide
- Gemini Contaminate Free **INOX/SS**
- NEW! 1/8" and 1/4" thick Gemini XXL grinding wheels
- UPGRADED! .045 ultra-thin Gemini RightCut wheels for cutting only
- Gemini Aluminum

**BENEFITS**

- Consistent performance at a competitive price
- Contain <0.1% iron, sulphur or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
- Fastest 100% aluminum oxide grinding wheels in the market today
- 50% more life and metal removal than standard aluminum oxide wheels
- Best on hard-grade carbon steel applications, weld repairs, flashing, and any job that requires, a quick turnaround
- Precise cutting; more stability and a narrower pass
- Up to 70% longer life and 20% faster cut rate than standard aluminum oxide wheels – for substantial savings
- Require less pressure, providing increased operator comfort
- Grind aluminum and soft metals without loading
- Contain no wax or rubber fillers



FEATURED PRODUCTS



**NORTON METAL/MASONRY**

GOOD CHOICE FOR STEEL/FERROUS METAL AND MASONRY APPLICATIONS WITH LOW INITIAL PRICE

FEATURES

- Low initial price point
- Metal – aluminum oxide
- Masonry – sharp silicon carbide

BENEFITS

- Best starting specification for end user unable to measure performance
- Engineered for all steel/ferrous materials
- Engineered for all masonry materials such as concrete, brick and asphalt



**NORTON DIALAST DIAMOND WHEELS**

BEST FOR METAL PLATE, PIPE, TUBING, CAST IRON, CARBON AND MILD STEEL, FOUNDRY AND WELDING APPLICATIONS, AND CERAMICS

FEATURES

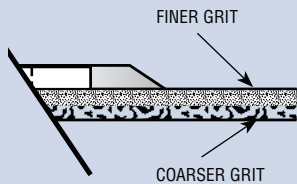
- A combination of high-quality diamond and advanced brazed single-layer bonding technology
- Environmentally friendly grinding

BENEFITS

- Extra-long life vs. conventional abrasives or other vacuum-brazed diamond tools
- Retains the diamond grains and wheel shape for full life with low spark, while keeping a continuous grinding depth
- Less blade changes reduce downtime and labor costs
- Generate minimal dust

**Norton Fine, Hard Back Depressed Center Wheels Boost Productivity and Wheel Life**

*Versus Competitors' Monolithic Design (2 coarse layers)*



Our fine, hard back (a finer-grit mixture in the top half of the grinding wheel) limits premature shedding or “spalling” and allows for a smoother grinding action from the periphery to the hub.

- At the proper grinding angle, a sharp bevel is produced at the wheel periphery
- As the wheel wears, this thin edge become susceptible to stress
- A coarse grit back is much more likely to break away prematurely resulting in unnecessary wheel loss and quite possibly an injury to operator and others



**Norton Depressed Center Adapter Kit**

This reusable adapter kit contains everything you need to mount depressed center wheels and saucers with 7/8" center holes on to portable right angle or vertical shaft grinders. Adapter hubs are threaded for mounting on to standard 5/8"-11 NCRH spindles.

| KIT NO. | WHEEL DIAMETER | WHEEL THICKNESS | PART #      | STD. PKG. |
|---------|----------------|-----------------|-------------|-----------|
| 114     | 6" thru 9"     | 1/16" thru 1/4" | 07660789275 | 1         |

**Professionals Want Choices**



We already provide the best wheels in the industry. Invented and made in America, now improved and expanded. The **Norton NorZon Plus** ceramic alumina BEST tier (highest productivity/lowest total cost) line has a wheel for all your right angle grinder applications:

- NorZon Plus Fast Cut wheels - for your applications requiring the fastest cut rate and quickest project completion
- NorZon Plus Long Life wheels - for your most demanding applications
- The Original NorZon Plus All Purpose wheels - for the lowest overall cost

**The Choice is Yours!**



AVAILABILITY



|            |  |  |  |  |
|------------|--|--|--|--|
| TIER:      | <b>BEST</b>                            | <b>BETTER</b>                          | <b>GOOD</b>                            | <b>GOOD</b>                            |
| TRADENAME: | <b>NORTON NORZON PLUS</b>              | <b>NORTON BLUEFIRE</b>                 | <b>NORTON GEMINI</b>                   | <b>NORTON METAL</b>                    |
| SHAPE:     | Type 27/42                             | Type 27/42                             | Type 27/42                             | Type 27/42                             |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina   | Zirconia Alumina/<br>Aluminum Oxide    | Aluminum Oxide                         | Aluminum Oxide                         |
| MATERIAL:  | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> |

| SIZE (D x T x H)   | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #                     | PART #      |
|--|----------|-----------|-------------|-------------|----------------------------|-------------|
| <b>.040, .045, 1/16" – RightCut Cut-off – Type 27/42</b> |          |           |             |             |                            |             |
| 4 x .045 x 5/8   | 15,280   | 25        |             |             | 66252842180                | 07660705249 |
| 4-1/2 x .040 x 5/8-11                                    | 13,580   | 10        |             | 66252843227 |                            |             |
| 4-1/2 x .045 x 5/8-11                                    | 13,580   | 10        | 66252842006 | 66252843223 | 66252842025                |             |
|  | 13,580   | 10        |             |             | 66252841913 <b>INOX/SS</b> |             |
| 4-1/2 x .045 x 7/8                                       | 13,580   | 25        | 66252843320 | 66252843219 | 66252842026                | 66252843604 |
|  | 13,580   | 25        |             |             | 66252841912 <b>INOX/SS</b> |             |
|  | 13,580   | 25*       |             |             | 66252842161 <b>5-Pk</b>    |             |
|  | 13,580   | 250       |             |             | 66253370065 <b>250-Pk</b>  |             |
| 5 x .040 x 5/8-11  | 12,225   | 10        |             | 66252843228 | 66252841939                |             |
| 5 x .045 x 5/8-11  | 12,225   | 10        |             |             | 66252841915 <b>INOX/SS</b> |             |
|  | 12,225   | 10        |             |             | 66252842036                | 66252843849 |
| 5 x .045 x 7/8   | 12,225   | 25        | 66252843329 | 66252843220 | 66252841914 <b>INOX/SS</b> |             |
|  | 12,225   | 25        |             |             | 66252842171 <b>5-Pk</b>    |             |
|  | 12,225   | 25*       |             |             | 66253370066 <b>250-Pk</b>  |             |
|  | 12,225   | 250       |             |             | 66252830587                |             |
| 6 x .045 x 5/8-11  | 10,185   | 10        | 66252842007 |             | 66252841917 <b>INOX/SS</b> |             |
|  | 10,185   | 10        |             |             | 66252842202                | 66252842015 |
| 6 x .045 x 7/8   | 10,185   | 25        | 66252842009 | 66252843221 | 66252841916 <b>INOX/SS</b> |             |
|  | 10,185   | 25        |             |             | 66252842176 <b>5-Pk</b>    |             |
|  | 10,185   | 25*       |             |             | 66253370067 <b>250-Pk</b>  |             |
|  | 10,185   | 250       |             |             | 66252841919 <b>INOX/SS</b> |             |
| 7 x .045 x 5/8-11  | 8,600    | 10        |             |             | 66252912626                |             |
| 7 x .045 x 7/8   | 8,600    | 20        |             |             | 66252841918 <b>INOX/SS</b> |             |
|  | 8,600    | 20        |             |             |                            | 07660705251 |
| 7 x .1/16 x 7/8  | 8,600    | 10        |             |             |                            |             |
| 9 x 1/16 x 5/8-11  | 6,600    | 10        |             |             | 66253019115                |             |

RIGHTCUT WHEELS ARE TO BE USED FOR CUTTING ONLY.

| SIZE (D x T x H)                           | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #                     | PART # |
|--|----------|-----------|-------------|-------------|----------------------------|--------|
| <b>3/32", .125" – Cut-off – Type 27/42</b> |          |           |             |             |                            |        |
| 4 x .125 x 3/8                             | 15,280   | 25        | 66252842001 |             |                            |        |
| 4-1/2 x 3/32 x 5/8-11                      | 13,580   | 10        |             |             | 66252841903                |        |
|  | 13,580   | 10        |             |             | 66252842027 <b>INOX/SS</b> |        |
| 4-1/2 x 3/32 x 7/8                         | 13,580   | 25        |             |             | 66252841940                |        |
|  | 13,580   | 25        |             |             | 66252842028 <b>INOX/SS</b> |        |
|  | 13,580   | 25        |             |             | 66252843582 <b>1-2-3</b>   |        |
| 4-1/2 x .125 x 5/8-11                      | 13,580   | 10        | 66252843321 |             | 66252843588                |        |
| 4-1/2 x .125 x 7/8                         | 13,580   | 25        | 66252843322 |             | 66252843589                |        |
| 5 x 3/32 x 5/8-11                          | 12,225   | 10        |             |             | 66252841904                |        |
| 5 x 3/32 x 7/8                             | 12,225   | 25        |             |             | 66252842037 <b>INOX/SS</b> |        |
|  | 12,225   | 25        |             |             | 66252843587 <b>LL</b>      |        |
|  | 12,225   | 25        |             |             | 66252843583 <b>1-2-3</b>   |        |
| 5 x .125 x 7/8                             | 12,225   | 25        |             |             | 66252843595                |        |
| 6 x 3/32 x 5/8-11                          | 10,185   | 10        |             |             | 66252841905                |        |
| 6 x 3/32 x 7/8                             | 10,185   | 25        |             |             | 66252841906                |        |
|  | 10,185   | 25        |             |             | 66252832487 <b>INOX/SS</b> |        |
| 6 x .125 x 5/8-11                          | 10,185   | 10        |             |             | 66252841192                |        |
| 6 x .125 x 7/8                             | 10,185   | 25        |             |             | 66252842021                |        |
| 7 x 3/32 x 5/8-11                          | 8,600    | 10        |             |             | 66252841907                |        |
| 7 x 3/32 x 7/8                             | 8,600    | 20        |             |             | 66252841908                |        |
|  | 8,600    | 20        |             |             | 66252914638 <b>INOX/SS</b> |        |
| 7 x .125 x 5/8-11                          | 8,600    | 10        | 66252912625 |             |                            |        |
| 7 x .125 x 7/8                             | 8,600    | 20        | 66252912624 |             | 66252900619                |        |
| 9 x 3/32 x 5/8-11                          | 6,600    | 10        |             | 66252842378 |                            |        |
| 9 x 3/32 x 7/8                             | 6,600    | 20        |             | 66252842343 |                            |        |

THESE WHEELS ARE TO BE USED FOR CUTTING ONLY.

\* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK, WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.

See .045" RightCut Wheels for Aluminum on page 17.

| DEPRESSED CENTER WHEEL DESCRIPTION CODES |                      |                        |                                   |                          |  |  |
|--|----------------------|------------------------|-----------------------------------|--------------------------|--|--|
| <b>BLANK</b> = ALL PURPOSE               | <b>FC</b> = FAST CUT | <b>HD</b> = HEAVY DUTY | <b>INOX/SS</b> = CONTAMINANT FREE | <b>LL</b> = LONG LIFE    | <b>1-2-3</b> = CUTTING/NOTCHING/GRINDING |  |
| <b>■</b> = ALUMINUM                      | <b>■</b> = FOUNDRY   | <b>■</b> = MASONRY     | <b>■</b> = STAINLESS              | <b>■</b> = STEEL / METAL |  |  |



AVAILABILITY



|            |  |  |  |  |
|------------|--|--|--|--|
| TIER:      | <b>BEST</b>                            | <b>BETTER</b>                          | <b>GOOD</b>                            | <b>GOOD</b>                            |
| TRADENAME: | <b>NORTON NORZON PLUS</b>              | <b>NORTON BLUEFIRE</b>                 | <b>NORTON GEMINI</b>                   | <b>NORTON METAL</b>                    |
| SHAPE:     | Type 27/42                             | Type 27/42                             | Type 27/42                             | Type 27/42                             |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina   | Zirconia Alumina/<br>Aluminum Oxide    | Aluminum Oxide                         | Aluminum Oxide                         |
| MATERIAL:  | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> |

| SIZE (D x T x H)                             | MAX. RPM | STD. PKG. | PART #      | PART # | PART #      | PART #     |
|--|----------|-----------|-------------|--------|-------------|------------|
| <b>1/8", 5/32" – Pipe Notching – Type 27</b> |          |           |             |        |             |            |
| 4-1/2 x 1/8 x 5/8-11                         | 13,580   | 10        |             |        | 66253370272 | <b>XXL</b> |
| 4-1/2 x 1/8 x 7/8                            | 13,580   | 25        |             |        | 66253370271 | <b>XXL</b> |
| 5 x 1/8 x 5/8-11                             | 12,225   | 10        |             |        | 66253370273 | <b>XXL</b> |
| 5 x 1/8 x 7/8                                | 13,580   | 25        |             |        | 66252842038 | <b>XXL</b> |
| 6 x 1/8 x 5/8-11                             | 10,185   | 10        |             |        | 66252841193 | <b>XXL</b> |
| 6 x 1/8 x 7/8                                | 10,185   | 20        |             |        | 66252835580 | <b>XXL</b> |
| 7 x 1/8 x 5/8-11                             | 8,600    | 10        | 66252939184 |        | 66253370274 | <b>XXL</b> |
| 7 x 1/8 x 7/8                                | 8,600    | 20        |             |        | 66252835581 | <b>XXL</b> |
| 9 x 1/8 x 5/8-11                             | 6,600    | 10        | 66253049066 |        | 66253370275 | <b>XXL</b> |
| 9 x 1/8 x 7/8                                | 6,600    | 20        |             |        | 66253370276 | <b>XXL</b> |

PIPE NOTCHERS ARE TO BE USED FOR CUTTING/NOTCHING ONLY.

AVAILABILITY



|            |  |  |  |  |
|------------|--|--|--|--|
| TIER:      | <b>BEST</b>                            | <b>BETTER</b>                          | <b>GOOD</b>                            | <b>GOOD</b>                            |
| TRADENAME: | <b>NORTON NORZON PLUS</b>              | <b>NORTON BLUEFIRE</b>                 | <b>NORTON GEMINI</b>                   | <b>NORTON METAL</b>                    |
| SHAPE:     | Type 27 and Type 28                    | Type 27 and Type 28                    | Type 27 and Type 28                    | Type 27                                |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina   | Zirconia Alumina/<br>Aluminum Oxide    | Aluminum Oxide                         | Aluminum Oxide                         |
| MATERIAL:  | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> |

| SIZE (D x T x H)  | MAX. RPM | STD. PKG. | PART #      | PART #                        | PART #                  | PART #                  |
|---|----------|-----------|-------------|-------------------------------|-------------------------|-------------------------|
| <b>1/8" – Cutting / Notching / Light Grinding – Type 27</b> |          |           |             |                               |                         |                         |
| 3 x 1/8 x 3/8   | 18,000   | 25        | 66252842177 |                               |                         |                         |
| 4 x 1/8 x 3/8   | 15,280   | 25        | 66252842004 | 66252843178                   | 66252842016             |                         |
| 4 x 1/8 x 5/8   | 15,280   | 25        | 66252842005 | 66252843176                   | 66252842017             | 66252842014             |
| 4-1/2 x 1/8 x 5/8-11  | 13,580   | 10        | 66252843323 | 66252843211                   | 66252843590             | 66252843609             |
|   | 13,580   | 10        |             | 66252843191 <b>FC/INOX/SS</b> |                         |                         |
|   | 13,580   | 10        | <b>V</b>    |                               | 66252842166 <b>2-Pk</b> |                         |
| 4-1/2 x 1/8 x 7/8   | 13,580   | 25        | 66252843324 | 66252843212                   | 66252843591             | 66252843611             |
|   | 13,580   | 25        |             | 66252843190 <b>FC/INOX/SS</b> |                         |                         |
|   | 13,580   | 10        | <b>V</b>    |                               | 66252842167 <b>2-Pk</b> |                         |
| 5 x 1/8 x 5/8-11  | 12,225   | 10        | 66252843330 | 66252843215                   |                         |                         |
|   | 12,225   | 10        |             | 66252843195 <b>FC/INOX/SS</b> |                         | 66252843615             |
| 5 x 1/8 x 7/8   | 12,225   | 25        | 66252843331 | 66252843216                   | 66252843596             |                         |
|   | 12,225   | 25        |             | 66252843194 <b>FC/INOX/SS</b> |                         | 66252843616             |
| 6 x 1/8 x 5/8-11  | 10,185   | 10        | 66252841891 | 66252843199 <b>FC/INOX/SS</b> | 66252833965             |                         |
| 6 x 1/8 x 7/8   | 10,185   | 20        |             | 66252843202                   | 66252801864             |                         |
|   | 10,185   | 20        |             | 66252843198 <b>FC/INOX/SS</b> |                         |                         |
| 7 x 1/8 x 5/8-11  | 8,600    | 10        | 66252938855 | 66252843233                   | 66252939259             | 07660702678             |
|   | 8,600    | 10        |             | 66252843183 <b>FC/INOX/SS</b> |                         |                         |
| 7 x 1/8 x 7/8   | 8,600    | 20        | 66252938854 | 66252843234                   | 66252939207             |                         |
|   | 8,600    | 20        |             | 66252843182 <b>FC/INOX/SS</b> |                         |                         |
|   | 8,600    | 25*       |             |                               |                         | 07660775956 <b>5-Pk</b> |
| 9 x 1/8 x 5/8-11  | 6,600    | 10        | 66253048897 | 66252843244                   | 66253048983             |                         |
|   | 8,600    | 10        |             | 66252843187 <b>FC/INOX/SS</b> |                         |                         |
| 9 x 1/8 x 7/8   | 6,600    | 20        | 66253048896 | 66252843245                   | 66253048994             |                         |
|   | 6,600    | 20        |             | 66252843186 <b>FC/INOX/SS</b> |                         |                         |

\* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK, WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.

**V** NEW! VENDIBLE 2-WHEEL PACKAGE. IDEAL FOR VENDING MACHINES AND SMALL JOBS. 5 PACKS/CARTON. ORDER IN MULTIPLES OF 10.



AVAILABILITY



|            |  |  |  |  |
|------------|--|--|--|--|
| TIER:      | <b>BEST</b>                            | <b>BETTER</b>                          | <b>GOOD</b>                            | <b>GOOD</b>                            |
| TRADENAME: | <b>NORTON NORZON PLUS</b>              | <b>NORTON BLUEFIRE</b>                 | <b>NORTON GEMINI</b>                   | <b>NORTON METAL</b>                    |
| SHAPE:     | Type 27 and Type 28                    | Type 27 and Type 28                    | Type 27 and Type 28                    | Type 27                                |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina   | Zirconia Alumina/<br>Aluminum Oxide    | Aluminum Oxide                         | Aluminum Oxide                         |
| MATERIAL:  | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> |

| SIZE (D x T x H)                 | MAX. RPM | STD. PKG.   | PART #                | PART #                        | PART #                     | PART #           |
|----------------------------------|----------|-------------|-----------------------|-------------------------------|----------------------------|------------------|
| <b>1/4" - Grinding - Type 27</b> |          |             |                       |                               |                            |                  |
| 3 x 1/4 x 3/8                    | 18,000   | 25          | 66252842178           |                               | 66252842179                |                  |
| 4 x 1/4 x 3/8                    | 15,280   | 25          | 66252842002           | 66252843179                   | 66252842018                |                  |
| 4 x 1/4 x 5/8                    | 15,280   | 25          | 66252842003           | 66252843177                   | 66252842020 <b>FC</b>      | 66252842011      |
|                                  | 15,280   | 25          |                       |                               | 66252842019                |                  |
| 4-1/2 x 3/16 x 7/8               | 13,580   | 25          | 66252843325           |                               | 66252843592                |                  |
| 4-1/2 x 1/4 x 5/8-11             | 13,580   | 10          | 66252843326           | 66252843213                   | 66252843593                | 66252843605      |
|                                  | 13,580   | 10          | 66252843327           | 66252843193 <b>FC/INOX/SS</b> | 66252843585 <b>FC</b>      |                  |
|                                  | 13,580   | 10          | 66252843796 <b>FC</b> |                               | 66252842032 <b>INOX/SS</b> |                  |
|                                  | 13,580   | 10          |                       |                               | 66252843785 <b>XXL</b>     |                  |
|                                  | 13,580   | 40          |                       |                               |                            | 66252819559      |
|                                  | 13,580   | 10 <b>V</b> | 66252829541 2-Pk      | 66252842162 2-Pk              | 66252842163 2-Pk           |                  |
| 4-1/2 x 1/4 x 7/8                | 13,580   | 25          | 66252843328           | 66252843214                   | 66252843594                | 66252843607      |
|                                  | 13,580   | 25          | 66252843795 <b>FC</b> | 66252843192 <b>FC/INOX/SS</b> | 66252843584 <b>FC</b>      |                  |
|                                  | 13,580   | 25          |                       |                               | 66252842033 <b>INOX/SS</b> |                  |
|                                  | 13,580   | 25          |                       |                               | 66252843784 <b>XXL</b>     |                  |
|                                  | 13,580   | 50          |                       |                               |                            | 66252836796      |
|                                  | 13,580   | 10 <b>V</b> | 66252829540 2-Pk      | 66252842164 2-Pk              | 66252842165 2-Pk           |                  |
| 5 x 1/4 x 5/8-11                 | 12,225   | 10          | 66252843332           | 66252843217                   | 66252843597                | 66252843613      |
|                                  | 12,225   | 10          | 66252843333 <b>LL</b> | 66252843197 <b>FC/INOX/SS</b> | 66252843787 <b>XXL</b>     |                  |
|                                  | 12,225   | 10          | 66252843798 <b>FC</b> |                               |                            |                  |
| 5 x 1/4 x 7/8                    | 12,225   | 25          | 66252843334           | 66252843218                   | 66252843598                | 66252843614      |
|                                  | 12,225   | 25          | 66252843797 <b>FC</b> | 66252843196 <b>FC/INOX/SS</b> | 66252843586 <b>FC</b>      |                  |
|                                  | 12,225   | 25          |                       |                               | 66252842040 <b>INOX/SS</b> |                  |
|                                  | 12,225   | 25          |                       |                               | 66252843786 <b>XXL</b>     |                  |
|                                  | 12,225   | 10 <b>V</b> |                       |                               | 66252842172 2-Pk           |                  |
| 6 x 1/4 x 5/8-11                 | 10,185   | 10          | 66252841920           | 66252843224                   | 66252832390                |                  |
|                                  | 10,185   | 10          | 66252843800 <b>FC</b> | 66252843201 <b>FC/INOX/SS</b> | 66252843789 <b>XXL</b>     |                  |
| 6 x 1/4 x 7/8                    | 10,185   | 20          | 66252809376           | 66252843203                   | 66252801865                |                  |
|                                  | 10,185   | 20          | 66252843799 <b>FC</b> | 66252843200 <b>FC/INOX/SS</b> | 66252843788 <b>XXL</b>     |                  |
| 7 x 1/4 x 5/8-11                 | 8,600    | 10          | 66252917881           | 66252843235                   | 66252940147 <b>FC</b>      | 66252912633      |
|                                  | 8,600    | 10          | 66252835578 <b>LL</b> | 66252843185 <b>FC/INOX/SS</b> | 66252940148 <b>LL</b>      |                  |
|                                  | 8,600    | 10          | 66252843802 <b>FC</b> |                               | 66252843791 <b>XXL</b>     |                  |
|                                  | 8,600    | 25*         |                       |                               |                            | 07660775940 5-Pk |
| 7 x 1/4 x 7/8                    | 8,600    | 20          | 66252917880           | 66252843236                   | 66252940099 <b>FC</b>      |                  |
|                                  | 8,600    | 20          | 66252843801 <b>FC</b> | 66252843184 <b>FC/INOX/SS</b> | 66252940098 <b>LL</b>      |                  |
|                                  | 8,600    | 20          |                       |                               | 66252843790 <b>XXL</b>     |                  |
|                                  | 8,600    | 25*         |                       |                               |                            | 07660775936 5-Pk |
| 9 x 1/4 x 5/8-11                 | 6,600    | 10          | 66253021634           | 66252843246                   | 66253049105 <b>FC</b>      |                  |
|                                  | 6,600    | 10          | 66252830728 <b>LL</b> | 66252843189 <b>FC/INOX/SS</b> | 66253049104 <b>LL</b>      |                  |
|                                  | 6,600    | 10          | 66252843804 <b>FC</b> |                               | 66252843793 <b>XXL</b>     |                  |
|                                  | 6,600    | 25*         |                       |                               |                            | 07660775938 5-Pk |
| 9 x 1/4 x 7/8                    | 6,600    | 20          | 66253021633           | 66252843247                   | 66253049077 <b>FC</b>      |                  |
|                                  | 6,600    | 20          | 66252843803 <b>FC</b> | 66252843188 <b>FC/INOX/SS</b> | 66253048991 <b>LL</b>      |                  |
|                                  | 6,600    | 20          |                       |                               | 66252843792 <b>XXL</b>     |                  |

\* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK. WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.  
**V** NEW! VENDIBLE 2-WHEEL PACKAGE. IDEAL FOR VENDING MACHINES AND SMALL JOBS. 5 PACKS/CARTON. ORDER IN MULTIPLES OF 10.

DEPRESSED CENTER WHEEL DESCRIPTION CODES

**BLANK** = ALL PURPOSE    **FC** = FAST CUT    **HD** = HEAVY DUTY    **INOX/SS** = CONTAMINANT FREE    **LL** = LONG LIFE    **1-2-3** = CUTTING/NOTCHING/GRINDING  
**■** = ALUMINUM    **■** = FOUNDRY    **■** = MASONRY    **■** = STAINLESS    **■** = STEEL / METAL



AVAILABILITY



|            |  |  |  |  |
|------------|--|--|--|--|
| TIER:      | <b>BEST</b>                            | <b>BEST</b>                            | <b>BETTER</b>                          | <b>GOOD</b>                            |
| TRADENAME: | <b>NORTON NORZON PLUS</b>              | <b>NORTON DIALAST</b>                  | <b>NORTON BLUEFIRE</b>                 | <b>NORTON GEMINI</b>                   |
| SHAPE:     | Type 28                                | Type 29 and Type 01                    | Type 28                                | Type 28                                |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina   | Diamond                                | Zirconia Alumina/<br>Aluminum Oxide    | Aluminum Oxide                         |
| MATERIAL:  | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> |

| SIZE (D x T x H)  | MAX. RPM | STD. PKG. | PART #                | PART #      | PART #      | PART #      |
|---|----------|-----------|-----------------------|-------------|-------------|-------------|
| <b>1/4" – Grinding – Type 28 Saucer</b>                   |          |           |                       |             |             |             |
| 7 x 1/4 x 5/8-11  | 8,600    | 10        | 66252905369           |             | 66252843229 | 66252940149 |
|   |          |           | 66252844345 <b>FC</b> |             |             |             |
| 7 x 1/4 x 7/8   | 8,600    | 20        | 66252905368           |             |             | 66252940095 |
| 9 x 1/4 x 5/8-11  | 6,600    | 10        | 66253006335           |             | 66252843237 | 66253049106 |
|   |          |           | 66252844346 <b>FC</b> |             |             |             |
| 9 x 1/4 x 7/8   | 6,600    | 20        | 66253370137 <b>FC</b> |             |             | 66253049081 |
| <b>Light Grinding – Type 29</b>                           |          |           |                       |             |             |             |
| 4-1/2 x 5/8-11  | 13,600   | 1         |                       | 66253370009 |             |             |
| 5 x 5/8-11  | 12,225   | 1         |                       | 66253370010 |             |             |
| 6 x 5/8-11  | 10,200   | 1         |                       | 66253370011 |             |             |
| 7 x 5/8-11  | 8,600    | 1         |                       | 66253370012 |             |             |
| 9 x 5/8-11  | 6,600    | 1         |                       | 66253370013 |             |             |
| <b>1/4" – Grinding – Type 01 Reversible Grinding Disc</b> |          |           |                       |             |             |             |
| 4-1/2 x 1/4 x 5/8-11                                      | 13,600   | 1         |                       | 66253370019 |             |             |
| 7 x 1/4 x 5/8-11  | 8,600    | 1         |                       | 66253370020 |             |             |

AVAILABILITY



|            |                                      |                                      |                       |                                      |                         |
|------------|--------------------------------------|--------------------------------------|-----------------------|--------------------------------------|-------------------------|
| TIER:      | <b>BEST</b>                          | <b>BEST</b>                          | <b>BEST</b>           | <b>BETTER</b>                        | <b>GOOD</b>             |
| TRADENAME: | <b>NORTON NORZON PLUS</b>            | <b>NORTON NORZON III</b>             | <b>NORTON DIALAST</b> | <b>NORTON BLUEFIRE</b>               | <b>NORTON FOUNDRY X</b> |
| SHAPE:     | Type 27                              | Type 27                              | Type 29               | Type 27                              | Type 27                 |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina | Ceramic Alumina/<br>Zirconia Alumina | Diamond               | Zirconia Alumina/<br>Silicon Carbide | Aluminum Oxide          |
| MATERIAL:  | <b>FOUNDRY</b>                       | <b>FOUNDRY</b>                       | <b>FOUNDRY</b>        | <b>FOUNDRY</b>                       | <b>FOUNDRY</b>          |

| SIZE (D x T x H)  | MAX. RPM | STD. PKG. | PART #      | PART #      | PART # | PART #                | PART #      |
|---|----------|-----------|-------------|-------------|--------|-----------------------|-------------|
| <b>.140", 1/8", 1/4", – Cutting / Notching / Grinding – Type 27 and Type 29</b> |          |           |             |             |        |                       |             |
| 4 x 1/4 x 3/8   | 15,280   | 25        |             |             |        | 66252843181           |             |
| 4 x 1/4 x 5/8   | 15,280   | 25        |             |             |        | 66252843180           |             |
| 4-1/2 x 1/8 x 5/8-11  | 13,580   | 10        |             |             |        | 66252843206           |             |
| 4-1/2 x 1/8 x 7/8   | 13,580   | 25        |             |             |        | 66252843204           |             |
| 4-1/2 x 1/4 x 5/8-11  | 13,580   | 10        |             |             |        | 66252843207           |             |
| 4-1/2 x 1/4 x 7/8   | 13,580   | 25        |             |             |        | 66252843205           |             |
| 7 x .140 x 5/8-11   | 8,600    | 1         |             | 66253370014 |        |                       |             |
| 7 x 1/8 x 5/8-11  | 8,600    | 10        |             |             |        | 66252843232           |             |
| 7 x 1/8 x 7/8   | 8,600    | 20        |             |             |        | 66252915526           |             |
| 7 x 1/4 x 5/8-11  | 8,600    | 10        |             |             |        | 66252843231           |             |
| 7 x 1/4 x 7/8   | 8,600    | 20        |             |             |        | 66252843230           |             |
| 9 x .140 x 5/8-11   | 6,600    | 1         |             | 66253370015 |        |                       |             |
| 9 x 1/8 x 5/8-11  | 6,600    | 10        |             |             |        | 66252843240           |             |
| 9 x 1/8 x 7/8   | 6,600    | 20        |             |             |        | 66252843238           |             |
| 9 x 1/4 x 5/8-11  | 6,600    | 10        | 66253007014 |             |        | 66252843241           |             |
|   |          |           | 6,600       |             |        | 66252843261 <b>HD</b> |             |
| 9 x 1/4 x 7/8   | 6,600    | 20        | 66253007013 | 66253049069 |        | 66252843239           | 66252842776 |
|   |          |           | 6,600       |             |        | 66252843260 <b>HD</b> |             |

| DEPRESSED CENTER WHEEL DESCRIPTION CODES |                      |                        |                                   |                          |  |  |  |
|--|----------------------|------------------------|-----------------------------------|--------------------------|--|--|--|
| <b>BLANK</b> = ALL PURPOSE               | <b>FC</b> = FAST CUT | <b>HD</b> = HEAVY DUTY | <b>INOX/SS</b> = CONTAMINANT FREE | <b>LL</b> = LONG LIFE    | <b>1-2-3</b> = CUTTING/NOTCHING/GRINDING |  |  |
| <b>■</b> = ALUMINUM                      | <b>■</b> = FOUNDRY   | <b>■</b> = MASONRY     | <b>■</b> = STAINLESS              | <b>■</b> = STEEL / METAL |  |  |  |





AVAILABILITY



TIER: **GOOD**  
 TRADENAME: **NORTON GEMINI**  
 SHAPE: Type 27  
 ABRASIVE: Aluminum Oxide  
 MATERIAL: ALUMINUM

| SIZE (D x T x H)  | MAX. RPM | STD. PKG. | GRIT | PART #      |
|---|----------|-----------|------|-------------|
| <b>1/8", 1/4" - Cutting / Grinding / Blending - Type 27</b> |          |           |      |             |
| 4-1/2 x .045 x 7/8  | 13,580   | 25        | 36   | 66252841909 |
| 4-1/2 x 1/8 x 5/8-11  | 13,580   | 10        | 46   | 66252842029 |
| 4-1/2 x 1/8 x 7/8   | 13,580   | 25        | 46   | 66252842030 |
| 4-1/2 x 1/4 x 5/8-11  | 13,580   | 10        | 46   | 66252842031 |
| 4-1/2 x 1/4 x 7/8   | 13,580   | 25        | 46   | 66252842034 |
| 5 x .045 x 7/8  | 12,225   | 25        | 36   | 66252841910 |
| 5 x 1/4 x 7/8   | 12,225   | 25        | 46   | 66252842039 |
| 6 x .045 x 7/8  | 10,185   | 25        | 36   | 66252841911 |
| 7 x 1/4 x 5/8-11  | 8,600    | 10        | 24   | 66252940514 |
|   | 8,600    | 10        | 46   | 66252940515 |
| 7 x 1/4 x 7/8   | 8,600    | 20        | 24   | 66252940516 |
| 9 x 1/4 x 5/8-11  | 6,600    | 10        | 24   | 66253049045 |

AVAILABILITY



TIER: **GOOD**  
 TRADENAME: **NORTON MASONRY**  
 SHAPE: Type 27  
 ABRASIVE: Silicon Carbide  
 MATERIAL: MASONRY

| SIZE (D x T x H)                                 | MAX. RPM | STD. PKG. | PART #      |
|--|----------|-----------|-------------|
| <b>1/8", 1/4" - Cutting / Grinding - Type 27</b> |          |           |             |
| 4 x 1/8 x 5/8                                    | 15,280A  | 25        | 66252842013 |
| 4 x 1/4 x 5/8                                    | 15,280   | 25        | 66252842010 |
| 4-1/2 x 1/8 x 7/8                                | 13,580   | 25        | 66252843601 |
| 4-1/2 x 1/4 x 5/8-11                             | 13,580   | 10        | 66252843599 |
| 4-1/2 x 1/4 x 7/8                                | 13,580   | 25        | 66252843600 |
| 5 x 1/4 x 7/8                                    | 12,225   | 25        | 66252843602 |
| 7 x 1/4 x 5/8-11                                 | 8,600    | 5         | 07660775942 |
| 9 x 1/4 x 5/8-11                                 | 6,600    | 5         | 07660775937 |

AVAILABILITY



TIER: **BETTER**  
 TRADENAME: **NORTON AVOS GEMINI**  
 SHAPE: Type 29  
 ABRASIVE: Aluminum Oxide  
 MATERIAL: ALUMINUM



TIER: **GOOD**  
 TRADENAME: **NORTON GEMINI FLEXIBLE**  
 SHAPE: Type 27  
 ABRASIVE: Aluminum Oxide  
 MATERIAL: ALUMINUM



TIER: **GOOD**  
 TRADENAME: **NORTON GEMINI FLEXIBLE**  
 SHAPE: Type 29  
 ABRASIVE: Aluminum Oxide  
 MATERIAL: ALUMINUM

| SIZE (D x T x H)                                       | MAX. RPM | STD. PKG. | GRIT | PART #      | PART #       | PART #      |
|--|----------|-----------|------|-------------|--------------|-------------|
| <b>1/8", 1/4" Flexible - Blending - Type 27 and 29</b> |          |           |      |             |              |             |
| 2 x 1/8 x 3/8  | 30,560   | 25        | 60   |             | 66252835632* |             |
|  | 30,560   | 25        | 80   |             | 66252835633* |             |
| 4 x 1/8 x 5/8  | 15,280   | 20        | 36   |             | 66243529721# |             |
|  | 15,280   | 20        | 60   |             | 66243529722# |             |
| 4-1/2 x 1/8 x 5/8-11                                   | 12,000   | 10        | 36   | 66252842208 |              | 66252842203 |
| 4-1/2 x 1/8 x 7/8                                      | 12,000   | 25        | 36   | 66252842209 | 66252830424# | 66252842204 |
|  | 12,000   | 25        | 46   | 66252842210 |              |             |
|  | 12,000   | 25        | 60   | 66252842211 | 66252830425# |             |
| 5 x 1/8 x 7/8  | 12,225   | 25        | 36   | 66252842212 |              | 66252842205 |
| 7 x 1/8 x 5/8-11                                       | 8,600    | 10        | 36   |             | 66252939024  | 66252917052 |
| 7 x 1/8 x 7/8  | 8,600    | 20        | 36   |             | 66252939028# | 66252917051 |

\*5 WHEELS PER DISPLAY PACK; 5 DISPLAY PACKS PER STANDARD PACKAGE.

# THESE WHEELS ARE PACKED 20 PER BOX, AND MUST BE USED WITH A BACK PLATE. TWO BACK PLATES ARE INCLUDED IN EACH BOX.

DEPRESSED CENTER WHEEL DESCRIPTION CODES

BLANK = ALL PURPOSE FC = FAST CUT HD = HEAVY DUTY INOX/SS = CONTAMINANT FREE LL = LONG LIFE 1-2-3 = CUTTING/NOTCHING/GRINDING  
 ■ = ALUMINUM ■ = FOUNDRY ■ = MASONRY ■ = STAINLESS ■ = STEEL / METAL



### CATEGORY DEFINITION

The Norton small diameter cut-off wheel line consists of Type 01, Type 01/41 straight and Type 27/42 depressed center cut-off wheels from 1-1/2" to 9" diameters. These wheels come in ultra thin .035 for quick burn-free and burr-free cutting to .125" for more durable applications. All are reinforced for the demanding nature of portable cut-off.

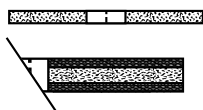
- APPLICATIONS:** Cutting sheet metal, cutting pipe, and metal plate dimensioning (metal fabrication)
- SIZE RANGE:** 1-1/2" - 9" diameter
- THICKNESS RANGE:** .035, .040, .045, .060, .090, and .125
- ABRASIVE GRAIN:** Ceramic Alumina/Zirconia Alumina, Zirconia Alumina/Aluminum Oxide, Aluminum Oxide, Silicon Carbide, Diamond
- SHAPE:** Type 01, Type 01/41 Straight and Type 27/42 Depressed Center

### TYPE-TO-APPLICATION RECOMMENDATION GUIDE

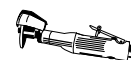
#### WHEEL TYPE/THICKNESS

#### APPLICATIONS

##### TYPE 01



**Type 01 straight cut-off wheels are designed for traditional cut-off applications. All are supplied with full fiberglass reinforcing.**



.035, .040, 1/16

Where fast cutting and low kerf loss are desired



.125

For tough cutting and notching applications where stability is important



##### TYPE 01/41 RIGHT CUT



**Type 01/41 straight cut-off wheels are designed for use on right angle grinder cut-off applications. All are supplied with full fiberglass reinforcing.**



90° ANGLE

.035, .040, .045, .050, 1/16

Where fast cutting and low kerf loss are desired



3/32

For tough cutting and notching applications where stability is important



##### TYPE 27/42 RIGHT CUT



**Type 27/42 cut-off wheels are designed for use on right angle grinder cut-off applications. Their depressed center shape provides a recess for the hub, which allows flush cutting. All are supplied with full fiberglass reinforcing.**



90° ANGLE

.040, .045, 1/16

Where fast cutting and low kerf loss are desired



3/32, .125

For tough cutting and notching applications where stability is important



### HOW TO PICK THE RIGHT BOND TYPE

|                         |                |   |
|-------------------------|----------------|---|
| <b>All Purpose</b>      | Unmarked       | Where an excellent blend of cut rate and life is needed   |
| <b>Free Cut</b>         | <b>FC</b>      | Where fast stock removal is needed, or the application only allows low-pressure or under-horsepowered grinders        |
| <b>Long Life</b>        | <b>LL</b>      | Where durability is needed due to severe application, and when horsepower of the grinder allows heavy pressure        |
| <b>Contaminate Free</b> | <b>INOX/SS</b> | Contain <0.1% iron, sulfur or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel |
| <b>Aluminum</b>         | <b>ALU</b>     | Specially formulated bond for reduced loading/surface contamination cutting aluminum/soft materials                   |



### 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>Cutting</b>                   |  |  |  |
| Mild Carbon / High Tensile Steel | Norton NorZon Plus                                       | Norton BlueFire  | Norton Metal   |
| Stainless Steel / Alloys         | Norton NorZon Plus                                       | Norton BlueFire <i>INOX/SS</i>                             | Norton Gemini <i>INOX/SS</i>                               |
| Contaminate Free                 |  | Norton BlueFire <i>INOX/SS</i>                             | Norton Gemini <i>INOX/SS</i>                               |
| Cast Iron                        | Norton NorZon Plus                                       | Norton BlueFire  | Norton Gemini  |
| Aluminum / Bronze / Brass        |  |  | Norton Gemini <i>ALU</i>                                   |
| Asphalt / Brick / Concrete       |  |  | Norton Masonry   |

### CROSS REFERENCE GUIDES

#### TYPE 01 .035 - .125 CUT-OFF WHEELS FOR DIE GRINDERS

|                  | TOTAL PERFORMANCE ←        |                           |  | INITIAL PRICE →                |                  | SPECIALTY →                          |             |
|------------------|----------------------------|---------------------------|--|--------------------------------|------------------|--------------------------------------|-------------|
| <b>NORTON</b>    | <b>BEST</b><br>NorZon Plus | <b>BETTER</b><br>BlueFire | <b>GOOD</b><br>Gemini<br><i>Free Cut</i> | <b>Gemini</b>                  | <b>Metal</b>     | <b>GOOD</b><br>Gemini<br><i>INOX</i> |             |
| <b>Brilliant</b> | —                          | Brill-Max ZA              | —  | —                              | Safe-Tex FC, LL  | —                                    |             |
| <b>Bullard</b>   | —                          | ZA46T, ZA60T              | TA36T                                    | TA46T, TA60T                   | A36T, A60T Comp. | —                                    |             |
| <b>Camel</b>     | —                          | ZA60-TBF                  | A36 RBF                                  | A60 RBF                        | Fast Cut RBF     | —                                    |             |
| <b>Flexovit</b>  | Flexon Fast Cut A46, 60    | —                         | High Perf Fast Grind A36                 | High Perf Fast Cut A36, 46, 60 | —                | —                                    |             |
| <b>Pearl</b>     | —                          | SRT, Zirconia             | —  | Premium                        | Silver Line      | —                                    |             |
| <b>Pferd</b>     | —                          | —                         | —  | —                              | PSF-A            | —                                    | SG-A-R-INOX |
| <b>Sait</b>      | Saittech                   | —                         | A60S                                     | A24R, A36T, A60T               | —                | —                                    |             |
| <b>Spedecut</b>  | —                          | —                         | —  | —                              | A46, 60 TBXX     | —                                    |             |
| <b>Walter</b>    | —                          | —                         | A24 ZIP                                  | A60 ZIP                        | —                | —                                    |             |

#### TYPE 01/41 AND TYPE 27/42 .035 - .125 CUT-OFF WHEELS FOR RIGHT ANGLE GRINDERS

|                  | TOTAL PERFORMANCE ←                           |                    |  |                      | INITIAL PRICE →                          |                           |                           | SPECIALTY →                         |                                 |                |
|------------------|---|--------------------|--|----------------------|--|---------------------------|---------------------------|-------------------------------------|---------------------------------|----------------|
| <b>NORTON</b>    | <b>BEST</b><br>NorZon Plus<br><i>Free Cut</i> | <b>NorZon Plus</b> | <b>BETTER</b><br>BlueFire<br><i>Free Cut</i> | <b>BlueFire</b>      | <b>GOOD</b><br>Gemini<br><i>Free Cut</i> | <b>Gemini</b>             | <b>Metal</b>              | <b>GOOD</b><br>Gemini<br><i>ALU</i> | <b>Gemini</b><br><i>INOX/SS</i> | <b>Masonry</b> |
| <b>Brilliant</b> | —   | —                  | —  | —                    | Brill-Blade Extra FC                     | Brill-Blade Heavy Duty    | Hornet Stinger            | —                                   | —                               | —              |
| <b>Bullard</b>   | —   | —                  | —  | ZA60T                | SGA60U                                   | TA46T, TA60T, TA60U       | A46T, A60T Comp.          | AL46N                               | —                               | C24R           |
| <b>Camel</b>     | —   | —                  | —  | ZA Quickie Cut       | A36-S-BF                                 | Super Quickie Cut         | Quickie Cut               | A46 Quickie Cut                     | A60-T-BF, WA60R Quickie Cut     | —              |
| <b>Flexovit</b>  | —   | —                  | —  | —                    | Razorblade A60SST                        | Razorblade A24T, 30V, 36T | —                         | Razorblade A30Q                     | —                               | C30U           |
| <b>Metabo</b>    | —   | —                  | —  | A 60 XP Super Slicer | —  | A 60 TX Slicer-Plus       | A 60 TZ Slicer            | —                                   | —                               | —              |
| <b>Pearl</b>     | —   | —                  | —  | Redline Max Slimcut  | —  | Slimcut                   | Slimcut Pro-V, Sliverline | —                                   | —                               | —              |
| <b>Pferd</b>     | —   | —                  | —  | SGP-ZA-Q-INOX        | —  | SG-A-S, SGP-A-T           | PSF-A-P                   | S-G-N-ALU                           | SG-A-R-INOX, SGP-A-S-INOX       | SG-C-R         |
| <b>Sait</b>      | —   | Saittech           | —  | Z-tech               | SAIT.M.X                                 | A60S                      | —                         | A46N                                | XA46R                           | —              |
| <b>SpedeCut</b>  | —   | —                  | —  | —                    | —  | —                         | A46, 60 TBXX              | —                                   | —                               | —              |
| <b>Walter</b>    | —   | —                  | —  | —                    | A-30-ZIP                                 | A-60-ZIP                  | —                         | A-60-ZIP-ALU                        | A60-SS-ZIP                      | C-30 -ZIP      |



## FEATURED PRODUCTS



EXPANDED OFFERING

### NORTON NORZON PLUS CUT-OFF / RIGHTCUT

BEST CHOICE FOR HIGHEST PRODUCTIVITY FOR STEEL, STAINLESS STEEL AND ALL FERROUS METALS

**FEATURES**

- Norton SG (ceramic alumina) / NorZon (zirconia alumina) grain combination
- Highly-advanced bond system
- RightCut right angle grinder wheels

**BENEFITS**

- Fastest cutting wheel available on the market, up to 3X faster cutting versus aluminum oxide
- 3X – 10X life versus aluminum oxide wheels on carbon steel, stainless and cast iron
- Noticeably longer life and faster cut rate
- Less pressure required for first cut



### NORTON BLUEFIRE CUT-OFF / RIGHTCUT

BETTER CHOICE FOR STAINLESS STEEL, CARBON STEEL, ALLOYS AND GRAY IRON

**FEATURES**

- A blend of R&D advanced chemistry and shaped zirconia alumina abrasive and premium aluminum oxide grain
- RightCut right angle grinder wheels

**BENEFITS**

- 2-3 times the life of aluminum oxide wheels
- Broad utility from light-to heavy-pressure applications
- Excellent performance-to-price ratio for lower total grinding costs
- Noticeably longer life and faster cut rate
- Less pressure required for first cut



IMPROVED

### NORTON GEMINI CUT-OFF / RIGHTCUT

GOOD, VERSATILE CHOICE FOR STEEL AND FERROUS METALS

**FEATURES**

- Quality, versatile aluminum oxide
- Gemini Contaminate-Free **INOX/SS**
- .045 ultra-thin Gemini RightCut right angle grinder Type 01/41 straight and T27/42 depressed center cut-off wheels

**BENEFITS**

- Consistent performance at a competitive price
- Contain <0.1% iron, sulfur or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
- Precise cutting; more stability and a narrower pass
- Up to 70% longer life and 20% faster cut rate than standard aluminum oxide wheels – for substantial savings
- Require less pressure, providing increased operator comfort



### NORTON METAL CUT-OFF / RIGHTCUT

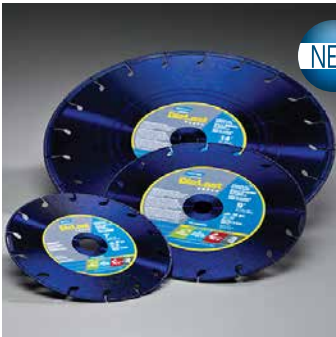
GOOD CHOICE FOR GRINDING ALLOYS, METALS, STEELS, AND FERROUS METALS

**FEATURES**

- Quality aluminum oxide
- Low initial cost per wheel

**BENEFITS**

- Consistent performance at a competitive price
- Ideal for on-site and small-unit jobs



NEW

### NORTON DIALAST DIAMOND CUT-OFF

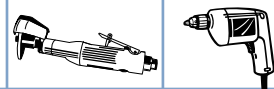
BEST FOR PIPE, TUBING, CAST IRON, CARBON AND MILD STEEL AND CERAMIC APPLICATIONS

**FEATURES**

- A combination of high-quality diamond and advanced brazed single-layer bonding technology
- Environmentally friendly grinding

**BENEFITS**

- Extra-long life vs. conventional abrasives or other vacuum-brazed diamond tools
- Retains the diamond grains and wheel shape for full life with low spark, while keeping a continuous grinding depth
- Less blade changes reduce downtime and labor costs
- Generate minimal dust



## AVAILABILITY

| TIER:      | BEST                                   | BETTER                                 | BETTER                                 | GOOD                                   | GOOD                                   | GOOD                                   |
|------------|--|--|--|--|--|--|
| TRADENAME: | <b>NORTON NORZON PLUS</b>              | <b>NORTON BLUEFIRE</b>                 | <b>NORTON A60-0BNA2</b>                | <b>NORTON GEMINI</b>                   | <b>NORTON GEMINI LONG LIFE</b>         | <b>NORTON METAL</b>                    |
| SHAPE:     | Type 01                                | Type 01                                | Type 01                                | Type 01                                | Type 01                                | Type 01                                |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina   | Zirconia Alumina/<br>Aluminum Oxide    | Aluminum Oxide                         | Aluminum Oxide                         | Aluminum Oxide                         | Aluminum Oxide                         |
| MATERIAL:  | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> |

| SIZE (D x T x H)  | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #    | PART #      |                          |
|---|----------|-----------|-------------|-------------|-------------|-------------|-----------|-------------|--------------------------|
| <b>.035", .040", .060", 1/16" and .125" Type 01 – Cut-off</b> |          |           |             |             |             |             |           |             |                          |
| 1-1/2 x .035 x 1/16   | 40,745   | 25        |             |             | 66243427764 |             |           |             |                          |
| 1-1/2 x .035 x 1/8  | 40,745   | 25        |             |             | 66243427831 |             |           |             |                          |
| 1-1/2 x .035 x 1/4  | 40,745   | 25        |             |             | 66243427875 |             |           |             |                          |
| 2 x .035 x 1/8  | 30,560   | 25        |             |             |             | 66243411392 | <b>FC</b> |             |                          |
| 2 x .035 x 1/4  | 30,560   | 25        |             |             | 66243428014 | 66243411393 | <b>FC</b> |             |                          |
| 2 x .035 x 3/8  | 30,560   | 25        |             |             |             | 66243411394 | <b>FC</b> |             |                          |
| 2 x .060 x 1/8  | 30,560   | 25        |             |             | 66243428041 |             |           |             |                          |
| 2 x 1/16 x 1/4  | 30,560   | 25        |             |             | 66243427993 | 66243411395 | <b>FC</b> |             |                          |
| 2 x 1/16 x 3/8  | 30,560   | 25        |             |             |             | 66243411396 | <b>FC</b> |             |                          |
| 2 x .125 x 1/4  | 30,560   | 25        |             |             |             | 66243411402 | <b>FC</b> |             |                          |
| 2 x .125 x 3/8  | 30,560   | 25        |             |             |             | 66243411403 | <b>FC</b> |             |                          |
| 2-1/2 x .035 x 1/8  | 30,560   | 25        |             |             | 66243528476 |             |           |             |                          |
| 2-1/2 x .035 x 1/4  | 30,560   | 25        |             |             | 66243528425 |             |           |             |                          |
| 2-1/2 x 1/16 x 1/4  | 30,560   | 25        |             |             |             | 66243510640 | <b>FC</b> |             |                          |
| 2-1/2 x 1/16 x 3/8  | 30,560   | 25        |             |             |             | 66243510641 | <b>FC</b> |             |                          |
| 3 x .035 x 1/4  | 25,465   | 25        | 66243510668 |             | 66243528573 | 66243510627 | <b>FC</b> |             |                          |
|   | 25,465   | 25*       | 66243531753 | <i>5-Pk</i> |             |             |           |             |                          |
| 3 x .035 x 3/8  | 25,465   | 25        | 66243510669 | 66252843174 | 66243528574 | 66243510628 | <b>FC</b> | 66243537271 | <b>LL</b>                |
|   | 25,465   | 25*       | 66243534828 | <i>5-Pk</i> | 66243534821 | <i>5-Pk</i> |           |             | 07660789451              |
| 3 x 1/16 x 1/4  | 25,465   | 25        | 66243510670 |             | 66243528471 | 66243510645 | <b>FC</b> | 66243510649 | <b>LL</b>                |
| 3 x 1/16 x 3/8  | 25,465   | 25        | 66243510671 | 66252843175 | 66243528552 | 66243510647 | <b>FC</b> | 66243510648 | <b>LL</b>                |
|   | 25,465   | 25        | 66243510835 | <b>LL</b>   |             |             |           |             | 66252835553              |
|   | 25,465   | 25*       |             |             |             |             |           |             | 07660747767              |
|   | 25,465   | 100       |             |             |             |             |           |             | 07660789012              |
|   | 25,465   | 1         |             |             |             |             |           |             | 66252843624              |
|   |          |           |             |             |             |             |           |             | <i>5-Pk with Mandrel</i> |
| 3 x .125 x 1/4  | 25,465   | 25        |             |             |             | 66243510650 | <b>FC</b> | 66243510652 | <b>LL</b>                |
| 3 x .125 x 3/8  | 25,465   | 25        | 66243510673 |             |             | 66243510651 | <b>FC</b> | 66243510653 | <b>LL</b>                |
| 4 x .035 x 1/4  | 15,300   | 25        |             |             | 66243529606 |             |           |             | 07660789384              |
|   | 19,100   | 25        |             |             |             | 66243510629 | <b>FC</b> |             |                          |
| 4 x .035 x 3/8  | 19,100   | 25        | 66243510675 | 66252843173 | 66243529621 | 66243510630 | <b>FC</b> | 66243537273 | <b>LL</b>                |
|   | 19,100   | 250       |             |             |             |             |           |             | 07660789453              |
|   |          |           |             |             |             |             |           |             | 66252836496              |
| 4 x .035 x 1/2  | 19,100   | 25        |             |             | 66243529622 |             |           |             |                          |
| 4 x .035 x 3/4  | 19,100   | 25        |             |             | 66243529609 |             |           |             |                          |
| 4 x .040 x 3/8  | 19,100   | 25        |             |             | 66243529516 |             |           |             |                          |
| 4 x 1/16 x 1/4  | 19,100   | 25        | 66243510676 |             |             | 66243510654 | <b>FC</b> |             |                          |
| 4 x 1/16 x 3/8  | 19,100   | 25        | 66243510677 | 66252843171 |             | 66243510655 | <b>FC</b> | 66243510657 | <b>LL</b>                |
| 4 x 1/16 x 5/8  | 19,100   | 100       |             |             | 66243527827 |             |           |             | 66252843848              |
|   |          |           |             |             | FabTech     |             |           |             |                          |
|   |          |           |             |             | 66243527826 |             |           |             |                          |
|   |          |           |             |             | FabTech     | <b>LL</b>   |           |             |                          |
| 4 x .125 x 1/4  | 19,100   | 25        |             |             |             | 66243510658 | <b>FC</b> |             |                          |
| 4 x .125 x 3/8  | 19,100   | 25        | 66243510841 | 66252843172 |             | 66243510659 | <b>FC</b> | 66243510661 | <b>LL</b>                |
|   | 19,100   | 25        | 66243510680 | <b>LL</b>   |             |             |           |             |                          |
| 5 x .035 x 3/8  | 12,225   | 25        |             |             | 66252830653 |             |           |             |                          |
| 6 x .035 x 3/8  | 10,185   | 25        |             |             | 66252835064 |             |           |             |                          |
| 6 x .035 x 1/2  | 10,185   | 25        |             |             | 66252835053 |             |           |             |                          |
| 6 x .035 x 5/8  | 10,185   | 25        |             |             | 66252835054 | 66252809714 |           |             |                          |
| Drill Mount Mandrel   |          | 5         |             |             |             |             |           |             | 07660747769+             |

+ FOR MOUNTING 2" AND 3" X 3/8" HOLE CUT-OFF WHEELS ON TO A DRILL  
 \* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK, WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.  
 • BULK PACKED 250/CARTON; 5 INNER BOXES OF 50 WHEELS EACH. ORDER IN MULTIPLES OF 250 WHEELS.

| WHEEL DESCRIPTION CODES    |                      |                                   |                       |
|----------------------------|----------------------|-----------------------------------|-----------------------|
| <b>BLANK</b> = ALL PURPOSE | <b>FC</b> = FREE CUT | <b>INOX/SS</b> = CONTAMINANT FREE | <b>LL</b> = LONG LIFE |
| <b>■</b> = MASONRY         | <b>■</b> = STAINLESS | <b>■</b> = STEEL / METAL          |                       |



## AVAILABILITY



|            |  |  |  |  |  |
|------------|--|--|--|--|--|
| TIER:      | <b>BEST</b>                            | <b>BEST</b>                            | <b>BETTER</b>                          | <b>GOOD</b>                            | <b>GOOD</b>                            |
| TRADENAME: | <b>NORTON NORZON PLUS RIGHTCUT</b>     | <b>NORTON DIALAST RIGHTCUT</b>         | <b>NORTON BLUEFIRE RIGHTCUT</b>        | <b>NORTON GEMINI RIGHTCUT</b>          | <b>NORTON METAL RIGHTCUT</b>           |
| SHAPE:     | Type 01/41                             | Type 01/41                             | Type 01/41                             | Type 01/41                             | Type 01/41                             |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina   | Diamond                                | Zirconia Alumina/<br>Aluminum Oxide    | Aluminum Oxide                         | Aluminum Oxide                         |
| MATERIAL:  | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> |

| SIZE (D x T x H)   | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #           | PART #                     | PART #             |
|--|----------|-----------|-------------|-------------|------------------|----------------------------|--------------------|
| <b>.035", .040", .045", .050", 1/16, and 3/32" Type 01/41 – RightCut Cut-off</b> |          |           |             |             |                  |                            |                    |
| 4 x .040 x 5/8   | 15,280   | 25        |             |             |                  |                            | 07660701616        |
| 4 x .045 x 5/8   | 15,280   | 25        |             |             |                  | 66243527956                |                    |
| 4 x 3/32 x 5/8   | 15,280   | 25        |             |             |                  | 66243527955                |                    |
| 4-1/2 x .035 x 7/8   | 13,580   | 25        |             |             |                  |                            | 66252843846        |
| 4-1/2 x .040 x 7/8   | 13,580   | 25        |             |             | 66252843225      |                            | 07660701617        |
|  | 13,580   | 50        |             |             |                  |                            | 66253370222        |
|  | 13,580   | 250•      |             |             |                  |                            | 66252840001 250-Pk |
|  | 13,580   | 25*       |             |             |                  |                            | 66252842158 5-Pk   |
| 4-1/2 x .045 x 7/8   | 13,580   | 25        | 66252830730 |             | 66252843208      | 66252823602                |                    |
|  | 13,580   | 25        |             |             |                  | 66252841994 <b>ALU</b>     |                    |
|  | 13,580   | 25        |             |             |                  | 66252841997 <b>INOX/SS</b> |                    |
|  | 13,580   | 250•      |             |             |                  | 66252841213 250-Pk         |                    |
|  | 13,580   | 25*       |             |             | 66252842159 5-Pk | 66252842160 5-Pk           |                    |
| 4-1/2 x .050 x 7/8   | 13,580   | 1         |             | 66253370016 |                  |                            |                    |
| 4-1/2 x 1/16 x 7/8   | 13,580   | 25        |             |             |                  |                            | 66252843845        |
| 4-1/2 x 3/32 x 7/8   | 13,580   | 25        |             |             |                  | 66252823599                |                    |
| 5 x .040 x 5/8   | 12,225   | 25        |             |             |                  |                            | 66252843847        |
| 5 x .040 x 7/8   | 12,225   | 25        |             |             | 66252843226      |                            | 07660701618        |
|  | 12,225   | 25*       |             |             |                  |                            | 66252842168 5-Pk   |
| 5 x .045 x 7/8   | 12,225   | 25        | 66252830731 |             | 66252843209      | 66252823603                |                    |
|  | 12,225   | 25        |             |             |                  | 66252841995 <b>ALU</b>     |                    |
|  | 12,225   | 25        |             |             |                  | 66252841998 <b>INOX/SS</b> |                    |
|  | 12,225   | 250•      |             |             |                  | 66252841214 250-Pk         |                    |
|  | 12,225   | 25*       |             |             | 66252842169 5-Pk | 66252842170 5-Pk           |                    |
| 5 x .050 x 7/8   | 12,225   | 25        | 66252809829 |             |                  |                            |                    |
|  | 12,225   | 1         |             | 66253370017 |                  |                            |                    |
| 5 x 3/32 x 7/8   | 12,225   | 25        |             |             |                  | 66252823600                |                    |
| 6 x .040 x 7/8   | 10,185   | 25        |             |             |                  |                            | 07660702757        |
|  | 10,185   | 50        |             |             |                  |                            | 66253370223        |
|  | 10,185   | 250•      |             |             |                  |                            | 66252841212 250-Pk |
|  | 10,185   | 25*       |             |             |                  |                            | 66252842173 5-Pk   |
| 6 x .045 x 7/8   | 10,185   | 25        | 66252842008 |             | 66252843210      | 66252823604                |                    |
|  | 10,185   | 25        |             |             |                  | 66252841996 <b>ALU</b>     |                    |
|  | 10,185   | 25        |             |             |                  | 66252841999 <b>INOX/SS</b> |                    |
|  | 10,185   | 250•      |             |             |                  | 66252841215 250-Pk         |                    |
|  | 10,185   | 25*       |             |             | 66252842174 5-Pk | 66252842175 5-Pk           |                    |
| 6 x .050 x 7/8   | 10,185   | 1         |             | 66253370018 |                  |                            |                    |
| 6 x .060 x 5/8   | 10,185   | 25        |             |             |                  | 66252809718                |                    |
| 6 x 3/32 x 7/8   | 10,185   | 25        |             |             |                  | 66252823601                |                    |
| 7 x .045 x 7/8   | 8,600    | 20        |             |             |                  | 66252842000 <b>INOX</b>    |                    |
| 7 x 1/16 x 7/8   | 8,600    | 25        |             |             |                  |                            | 07660704732        |
| 7 x 1/16 x 5/8   | 8,600    | 25        |             |             |                  | 66252905957                |                    |
| 7 x 1/16 x 7/8   | 8,600    | 25        | 66252900652 |             |                  | 66252832323                |                    |
|  | 8,600    | 1         |             | 70184694055 |                  |                            |                    |
| 9 x .060 x 7/8   | 6,600    | 1         |             | 70184694056 |                  |                            |                    |

RIGHTCUT WHEELS ARE TO BE USED FOR CUTTING ONLY  
 \* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK, WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.  
 • BULK PACKED 250 WHEELS/CARTON; 5 INNER BOXES OF 50 WHEELS EACH. ORDER IN MULTIPLES OF 250 WHEELS.



## Gemini RightCut Right Angle Grinder Cut-off Wheels

**THINNER! FASTER! STRONGER!** Our 100% aluminum oxide abrasive has been infused with a new bond technology and processed to outlast and out-cut competitive aluminum oxide blades. Operators will notice and appreciate the low kerf loss and added comfort.

Available in Type 01/41 straight and Type 27/42 depressed center wheels.

**We Make the Right Choice More Comfortable**



## AVAILABILITY



| TIER:      | BEST                                   | BETTER                                 | GOOD                                   | GOOD                                   |
|------------|--|--|--|--|
| TRADENAME: | <b>NORTON NORZON PLUS</b>              | <b>NORTON BLUEFIRE</b>                 | <b>NORTON GEMINI</b>                   | <b>NORTON METAL</b>                    |
| SHAPE:     | Type 27/42                             | Type 27/42                             | Type 27/42                             | Type 27/42                             |
| ABRASIVE:  | Ceramic Alumina/<br>Zirconia Alumina   | Zirconia Alumina/<br>Aluminum Oxide    | Aluminum Oxide                         | Aluminum Oxide                         |
| MATERIAL:  | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> | <b>STAINLESS</b><br><b>STEEL/METAL</b> |

| SIZE (D x T x H)  | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #                     | PART #      |
|---|----------|-----------|-------------|-------------|----------------------------|-------------|
| <b>.040, .045, 1/16", - RightCut Cut-off - Type 27/42</b> |          |           |             |             |                            |             |
| 4 x .045 x 5/8  | 15,280   | 25        |             |             | 66252842180                | 07660705249 |
| 4-1/2 x .040 x 5/8-11                                     | 13,580   | 10        |             | 66252843227 |                            |             |
| 4-1/2 x .045 x 5/8-11                                     | 13,580   | 10        | 66252842006 | 66252843223 | 66252842025                |             |
|   | 13,580   | 10        |             |             | 66252841913 <b>INOX/SS</b> |             |
| 4-1/2 x .045 x 7/8  | 13,580   | 25        | 66252843320 | 66252843219 | 66252842026                | 66252843604 |
|   | 13,580   | 25        |             |             | 66252841912 <b>INOX/SS</b> |             |
|   | 13,580   | 25*       |             |             | 66252842161 <b>5-Pk</b>    |             |
|   | 13,580   | 250       |             |             | 66253370065 <b>250-Pk</b>  |             |
| 5 x .040 x 5/8-11   | 12,225   | 10        |             | 66252843228 | 66252841939                |             |
| 5 x .045 x 5/8-11   | 12,225   | 10        |             |             | 66252841915 <b>INOX/SS</b> |             |
|   | 12,225   | 10        |             |             | 66252842036                | 66252843849 |
| 5 x .045 x 7/8  | 12,225   | 25        | 66252843329 | 66252843220 | 66252841914 <b>INOX/SS</b> |             |
|   | 12,225   | 25        |             |             | 66252842171 <b>5-Pk</b>    |             |
|   | 12,225   | 25*       |             |             | 66253370066 <b>250-Pk</b>  |             |
|   | 12,225   | 250       |             |             | 66252830587                |             |
| 6 x .045 x 5/8-11   | 10,185   | 10        | 66252842007 |             | 66252841917 <b>INOX/SS</b> |             |
|   | 10,185   | 10        |             |             | 66252842202                | 66252842015 |
| 6 x .045 x 7/8  | 10,185   | 25        | 66252842009 | 66252843221 | 66252841916 <b>INOX/SS</b> |             |
|   | 10,185   | 25        |             |             | 66252842176 <b>5-Pk</b>    |             |
|   | 10,185   | 25*       |             |             | 66253370067 <b>250-Pk</b>  |             |
|   | 10,185   | 250       |             |             | 66252841919 <b>INOX/SS</b> |             |
| 7 x .045 x 5/8-11   | 8,600    | 10        |             |             | 66252912626                |             |
| 7 x .045 x 7/8  | 8,600    | 20        |             |             | 66252841918 <b>INOX/SS</b> |             |
|   | 8,600    | 20        |             |             |                            | 07660705251 |
| 7 x 1/16 x 7/8  | 8,600    | 10        |             |             |                            |             |
| 9 x 1/16 x 5/8-11   | 6,600    | 10        |             |             | 66253019115                |             |

RIGHTCUT WHEELS ARE TO BE USED FOR CUTTING ONLY.

| <b>3/32", .125" - Cut-off - Type 27/42</b> |        |    |             |             |                            |  |
|--|--------|----|-------------|-------------|----------------------------|--|
| 4 x .125 x 3/8                             | 15,280 | 25 | 66252842001 |             |                            |  |
| 4-1/2 x 3/32 x 5/8-11                      | 13,580 | 10 |             |             | 66252841903                |  |
|  | 13,580 | 10 |             |             | 66252842027 <b>INOX/SS</b> |  |
| 4-1/2 x 3/32 x 7/8                         | 13,580 | 25 |             |             | 66252841940                |  |
|  | 13,580 | 25 |             |             | 66252842028 <b>INOX/SS</b> |  |
|  | 13,580 | 25 |             |             | 66252843582 <b>1-2-3</b>   |  |
| 4-1/2 x .125 x 5/8-11                      | 13,580 | 10 | 66252843321 |             | 66252843588                |  |
| 4-1/2 x .125 x 7/8                         | 13,580 | 25 | 66252843322 |             | 66252843589                |  |
| 5 x 3/32 x 5/8-11                          | 12,225 | 10 |             |             | 66252841904                |  |
| 5 x 3/32 x 7/8                             | 12,225 | 25 |             |             | 66252842037 <b>INOX/SS</b> |  |
|  | 12,225 | 25 |             |             | 66252843587 <b>LL</b>      |  |
|  | 12,225 | 25 |             |             | 66252843583 <b>1-2-3</b>   |  |
| 5 x .125 x 7/8                             | 12,225 | 25 |             |             | 66252843595                |  |
| 6 x 3/32 x 5/8-11                          | 10,185 | 10 |             |             | 66252841905                |  |
| 6 x 3/32 x 7/8                             | 10,185 | 25 |             |             | 66252841906                |  |
|  | 10,185 | 25 |             |             | 66252832487 <b>INOX/SS</b> |  |
| 6 x .125 x 5/8-11                          | 10,185 | 10 |             |             | 66252841192                |  |
| 6 x .125 x 7/8                             | 10,185 | 25 |             |             | 66252842021                |  |
| 7 x 3/32 x 5/8-11                          | 8,600  | 10 |             |             | 66252841907                |  |
| 7 x 3/32 x 7/8                             | 8,600  | 20 |             |             | 66252841908                |  |
|  | 8,600  | 20 |             |             | 66252914638 <b>INOX/SS</b> |  |
| 7 x .125 x 5/8-11                          | 8,600  | 10 | 66252912625 |             |                            |  |
| 7 x .125 x 7/8                             | 8,600  | 20 | 66252912624 |             | 66252900619                |  |
| 9 x 3/32 x 5/8-11                          | 6,600  | 10 |             | 66252842378 |                            |  |
| 9 x 3/32 x 7/8                             | 6,600  | 20 |             | 66252842343 |                            |  |

THESE WHEELS ARE TO BE USED FOR CUTTING ONLY.

\* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK, WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.

See .045" RightCut Wheels for Aluminum on page 17.

| WHEEL DESCRIPTION CODES    |                      |                                   |                       |
|----------------------------|----------------------|-----------------------------------|-----------------------|
| <b>BLANK</b> = ALL PURPOSE | <b>FC</b> = FREE CUT | <b>INOX/SS</b> = CONTAMINANT FREE | <b>LL</b> = LONG LIFE |
| <b>M</b> = MASONRY         | <b>S</b> = STAINLESS | <b>ST</b> = STEEL / METAL         |                       |



AVAILABILITY



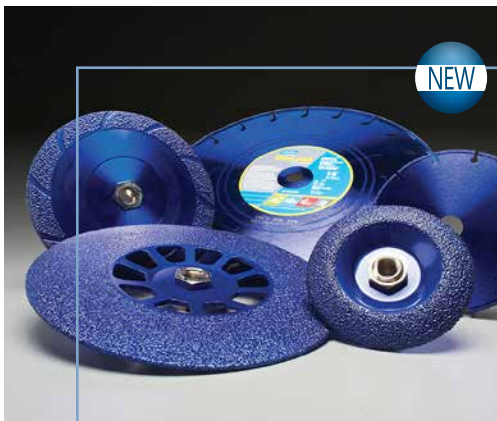
|            |                       |                                     |                      |                     |                       |
|------------|-----------------------|-------------------------------------|----------------------|---------------------|-----------------------|
| TIER:      | <b>BEST</b>           | <b>BETTER</b>                       | <b>GOOD</b>          | <b>GOOD</b>         | <b>GOOD</b>           |
| TRADENAME: | <b>NORTON DIALAST</b> | <b>NORTON CHARGER</b>               | <b>NORTON GEMINI</b> | <b>NORTON METAL</b> | <b>NORTON MASONRY</b> |
| SHAPE:     | Type 01               | Type 01                             | Type 01              | Type 01             | Type 01               |
| ABRASIVE:  | Diamond               | Zirconia Alumina/<br>Aluminum Oxide | Aluminum Oxide       | Aluminum Oxide      | Silicon Carbide       |
| MATERIAL:  | <b>STAINLESS</b>      | <b>STEEL/METAL</b>                  | <b>STEEL/METAL</b>   | <b>STEEL/METAL</b>  | <b>MASONRY</b>        |

| SIZE (D x T x H)              | MAX. RPM | STD. PKG. | PART #      | PART #                | PART #      | PART #      | PART #      |
|-------------------------------|----------|-----------|-------------|-----------------------|-------------|-------------|-------------|
| <b>Type 01 – Circular Saw</b> |          |           |             |                       |             |             |             |
| 6 x .035 x 5/8                | 10,185   | 25        |             |                       | 66252809714 |             |             |
| 6 x .060 x 5/8                | 10,185   | 25        |             |                       | 66252809718 |             |             |
| 6-1/2 x .125 x DM-5/8         | 9,405    | 10        |             |                       |             | 07660789098 | 07660789089 |
| 7 x .060 x 5/8                | 8,730    | 25        |             |                       | 66252905957 |             |             |
| 7 x .060 x 7/8                | 8,730    | 1         | 70184694055 |                       |             |             |             |
| 7 x .125 x DM-5/8             | 8,730    | 25        |             |                       |             | 07660789097 | 07660789088 |
| 8 x 1/16 x 5/8                | 7,640    | 25        |             | 66253017771 <b>LL</b> | 66253007025 |             |             |
|                               | 7,640    | 10        |             |                       | 66253017795 |             |             |
| 8 x 1/8 x DM-5/8              | 7,640    | 10        |             |                       |             | 07660789096 | 07660789086 |
| 9 x .060 x 7/8                | 6,600    | 1         | 70184694056 |                       |             |             |             |

DM DENOTES DIAMOND MOUNT; 5/8" HOLE BUSHINGS INCLUDED

**WHEEL DESCRIPTION CODES**

|                            |                      |                                   |                       |
|----------------------------|----------------------|-----------------------------------|-----------------------|
| <b>BLANK</b> = ALL PURPOSE | <b>FC</b> = FREE CUT | <b>INOX/SS</b> = CONTAMINANT FREE | <b>LL</b> = LONG LIFE |
| <b>■</b> = MASONRY         | <b>■</b> = STAINLESS | <b>■</b> = STEEL / METAL          |                       |



**Dialast Diamond: Introducing The Last Cut-Off and Depressed Center Wheels Standing!**

Metal working demands tools that will cut or grind fast, throw a minimum of spark, and above all, LAST.

These new Norton DiaLast diamond cutting and grinding wheels give the operator everything needed to get the job done right, the very first time:

- Right angle grinder, circular saw, and chop saw blades for cutting steel, metal studs, stainless steel, nonferrous materials, tile, brick, plastic, and much more.
- DiaLast depressed center cutting and grinding wheels are an excellent choice on steel, cast iron, ductile pipe, tubing, and metal plate when high stock removal is desired

To learn more, see DiaLast depressed center (page 12) and cut-off wheel Features and Benefits (page 20).





## CATEGORY DEFINITION

Norton high-speed cut-off abrasive wheels provide the industry's leading performance in all high-speed gas and electric-powered applications.

|                         |  |
|-------------------------|--|
| <b>APPLICATIONS:</b>    | <p>Metalworking: steel, stainless, ductile, cast iron, rail steel and metal decking</p> <p>Non-Metal Building Materials: concrete, brick, masonry, asphalt aggregate, stone and schedule 40 and 80 PVC pipe</p> <p>Rescue and Demolition: steel, acrylic, fiberglass, rubber, glass, wood, concrete, brick and asphalt</p> |
| <b>SIZE RANGE:</b>      | 12" – 16" diameter   |
| <b>THICKNESS RANGE:</b> | 1/8"   |
| <b>ABRASIVE GRAIN:</b>  | Aluminum Oxide, Silicon Carbide, Silicon Carbide/Aluminum Oxide Blend  |
| <b>SHAPE:</b>           | Type 01 Straight   |
| <b>REINFORCEMENT:</b>   | Wheels are offered in standard two layer reinforcement as well as three layer reinforcement for higher-speed saws and heavy-duty applications  |
| <b>ARBOR:</b>           | Wheels are offered with patented universal arbor that accommodates both 20mm and all other machines with 1" arbors   |

## MATERIAL / APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE

| ICON |                          | APPLICATION   |
|------|--------------------------|---|
|      | <b>Metal</b>             | High-performance aluminum oxide grain wheels designed for general purpose cutting of all steel and stainless parts including rebar, steel pipe, structural steel, sheet metal, cable and small to medium diameter solid pieces.   |
|      | <b>Metal Decking</b>     | High-performance aluminum oxide abrasive combined with a thicker wheel that stands up to the sharp edges of sheet metal and roof decking.   |
|      | <b>Rail Steel</b>        | A finer grit, harder grade aluminum oxide wheel designed for straight, fast cuts on all sizes of rail track. Additional high-performance lines of rail cut wheels are available for production applications.  |
|      | <b>Ductile/Cast Iron</b> | A special blend of silicon carbide abrasive for cutting and aluminum oxide abrasive for life, designed to cut ductile and cast iron pipe, concrete-lined water pipes, sewer construction and heavy duty PVC.  |
|      | <b>Rescue</b>            | For ventilation, forcible entry, rescue and demolition. A versatile abrasive formula that can be used on a wide range of materials including all types of metals and masonry.   |
|      | <b>Concrete</b>          | Coarse grit silicon carbide abrasive provides a low initial cost solution for cutting brick, block, concrete or other masonry materials. For higher-production applications that require optimum speed of cut and product life, please see our complete selection of high-speed diamond wheels in our Norton Construction diamond product line.                     |
|      | <b>Asphalt</b>           | A special blend of extra coarse silicon carbide abrasive grains provides a low initial cost solution for cutting asphalt, green concrete, asphalt over concrete, a wide range of aggregates and abrasive materials. For higher-production applications that require optimum speed of cut and product life, please see our Norton Construction diamond product line. |

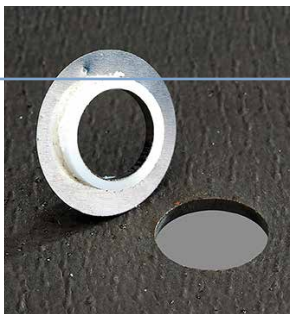
## HOW TO PICK THE RIGHT REINFORCEMENT



Two full layers of reinforcing are offered for lower power machines, and light to medium applications where speed of cut is the primary selection criterion.



Three full layers of reinforcing are recommended for high speed, high horsepower machines where the application is heavy-duty, and durability is the primary selection criterion.



## Universal Arbor

### Two Blade Sizes in One

Our Norton patented 1"/20mm knock-out arbor fits all gas and electric high-speed saws. A 20mm bushing is pre-mounted into the 1" molded arbor hole. The wheel, with the 20mm bushing, can be mounted directly on any 20mm arbor high-speed saw. With the bushing removed, exposing the 1" arbor hole, the wheel can be mounted on any 1" arbor high-speed saw. Combining this arbor, with heavy-duty triple reinforcing results in a higher performing, extra strong, longer lasting cutting wheel. Once the 20mm bushing is removed, it cannot be replaced.



## CROSS REFERENCE GUIDE

SPECIALTY

| NORTON                                  | GOOD                                |                      |                 |                                  |                                |                            |
|---|-------------------------------------|----------------------|-----------------|----------------------------------|--------------------------------|----------------------------|
|   | Gemini Metal                        | Gemini Metal Decking | Rail Steel      | Gemini Ductile                   | Gemini Concrete                | Gemini Asphalt             |
| <b>Abmast</b>                           | A 24 R, Kompetitor Metal            | A 24 T               | Rail-Kut A 24 Z | AC 24 R, Kompetitor Ductile Iron | C 24 R, Kompetitor Concrete    | C 16 T, Kompetitor Asphalt |
| <b>Brilliant</b>                        | Metal/Stainless                     | —                    | A24PB           | —                                | Concrete/Masonry               | —                          |
| <b>Bullard Blaze &amp; Road Warrior</b> | A24R, ZA24Q, The Competitor         | TA24R                | A30R            | AC24R                            | C24R, The Competitor           | CC20R                      |
| <b>Camel</b>                            | A24-R                               | A24-T                | —               | AC24-R                           | C24-R                          | C16-U                      |
| <b>Flexovit</b>                         | A24/30SB                            | A24TB                | A30PB           | AC24SB                           | C30UB                          | C16UB                      |
| <b>Husqvarna</b>                        | Blue XHS, Blue QMS-CM, Blue EHS     | Grey QMS-CM          | Yellow QMS-CM   | Green QMS-CM, Green EHS          | Red XHS, Red QHS-CM, Red EHS   | Black QMS-AS               |
| <b>Pearl</b>                            | SRT, Premium A36S, Silver Line A30R | —                    | —               | AC30S                            | Premium C36S, Silver Line C24R | —                          |
| <b>Pferd</b>                            | A 24 R SG                           | A 24 Q SG-RAIL       | A 24 Q SG-RAIL  | AC 24 Q SG                       | C 24 R SG                      | —                          |
| <b>Sait</b>                             | A24R, A30S, XFC                     | Brute                | Hobo            | Ductile                          | C24R                           | Big M.A.C, XFC             |
| <b>Tyrolit</b>                          | A30P, A30BF                         | —                    | —               | AC24, AC30BF                     | 1C24, C30BF                    | —                          |
| <b>Virginia Abrasives</b>               | Metal                               | —                    | —               | Ductile                          | Concrete                       | Asphalt                    |
| <b>Walter</b>                           | A-24                                | —                    | —               | —                                | —                              | —                          |

## AVAILABILITY

| TIER:        | GOOD            |              |                      |            |               |
|--------------|-----------------|--------------|----------------------|------------|---------------|
| BRAND:       | Norton          |              |                      |            |               |
| TRADENAME:   | GEMINI METAL HD | GEMINI METAL | GEMINI METAL DECKING | RAIL STEEL | GEMINI RESCUE |
| SHAPE:       | Type 01         |              |                      |            |               |
| ABRASIVE:    | Aluminum Oxide  |              |                      |            |               |
| REINFORCING: | 3 Layers        | 2 Layers     | 2 Layers             | 2 Layers   | 2 Layers      |
| MATERIAL:    |                 |              |                      |            |               |

| SIZE (D x T x H)   | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|--|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type 01 Cut-off – for Gas &amp; Electric-Powered Saws</b> |          |           |             |             |             |             |             |
| 12 x 1/8 x 1" / 20mm   | 6,360    | 10        | 66252836708 | 66252837838 |             |             |             |
| 14 x 1/8 x 1" / 20mm   | 5,400    | 10        | 66252835386 | 66252837841 | 66252832521 |             | 66243578262 |
| 14 x 1/8 x 1"  | 5,400    | 10        |             |             |             | 66253260462 |             |
| 16 x 1/8 x 1" / 20mm   | 4,800    | 10        |             | 66252830886 |             |             |             |
| 16 x 1/8 x 1"  | 4,800    | 10        |             |             |             | 66253259935 |             |

## AVAILABILITY

| TIER:        | GOOD                                   |                |                    |                 |                 |
|--------------|--|----------------|--------------------|-----------------|-----------------|
| BRAND:       | Norton                                 |                |                    |                 |                 |
| TRADENAME:   | GEMINI DUCTILE HD                      | GEMINI DUCTILE | GEMINI CONCRETE HD | GEMINI CONCRETE | GEMINI ASPHALT  |
| SHAPE:       | Type 01                                |                |                    |                 |                 |
| ABRASIVE:    | Silicon Carbide / Aluminum Oxide Blend |                | Silicon Carbide    | Silicon Carbide | Silicon Carbide |
| REINFORCING: | 3 Layers                               | 2 Layers       | 3 Layers           | 2 Layers        | 2 Layers        |
| MATERIAL:    |  |                |                    |                 |                 |

| SIZE (D x T x H)   | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|--|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>Type 01 Cut-off – for Gas &amp; Electric-Powered Saws</b> |          |           |             |             |             |             |             |
| 12 x 1/8 x 1" / 20mm   | 6,360    | 10        |             | 66252837840 | 66252836709 | 66252837839 | 70184670243 |
| 14 x 1/8 x 1" / 20mm   | 5,400    | 10        | 66252835388 | 66252837843 | 66252835387 | 66252837842 | 70184672877 |
| 16 x 1/8 x 1" / 20mm   | 4,800    | 10        |             |             |             | 70184623029 |             |



## CATEGORY DEFINITION

These powerful, self-propelled machines are designed to cut concrete slabs and asphalt and are normally fitted with diamond blades. For inexperienced operators or small jobs, the machines can accommodate these low initial cost, conventional abrasives wheels.

|                         |   |
|-------------------------|---|
| <b>APPLICATIONS:</b>    | Cutting straight sections of concrete surfaces  |
| <b>SIZE RANGE:</b>      | 14" and 18" diameter  |
| <b>THICKNESS RANGE:</b> | 3/16" – 3/8"  |
| <b>ABRASIVE GRAIN:</b>  | Silicon Carbide   |
| <b>BOND:</b>            | Hot Pressed (HP) – for higher-horsepower machine applications where additional durability is needed, may be used wet or dry<br>Cold Pressed (CP) – for lower-horsepower machines, which need a free-cutting wheel |
| <b>SHAPE:</b>           | Type 01 Straight  |
| <b>ARBOR:</b>           | All are 1" with a drive pin   |


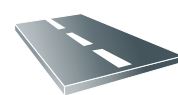

## CROSS REFERENCE GUIDE

### NORTON

- Abmast**
- Bullard Blaze & Road Warrior**
- Camel**
- Flexovit**
- Husqvarna**
- Pearl**
- Pferd**
- Sait**
- Tyrolit**
- Virginia Abrasives**
- Walter**

|                              | ←  | SPECIALTY                           | →                              |
|------------------------------|--|-------------------------------------|--------------------------------|
|                              | <b>BETTER</b>                                  | <b>GOOD</b>                         | <b>GOOD</b>                    |
|                              | Gemini<br><i>Asphalt / Green Concrete – HP</i> | Gemini<br><i>Asphalt - CP</i>       | Gemini<br><i>Concrete - CP</i> |
| Abmast                       | —  | C 16 T. Kompetitor Asphalt/Concrete | C 24 R                         |
| Bullard Blaze & Road Warrior | —  | C16R & T, C16R3                     | —                              |
| Camel                        | —  | C16-U                               | C24-R                          |
| Flexovit                     | HPC16AG  | C16 G.P. C16UB                      | C20SB/C16TB                    |
| Husqvarna                    | Red GC-7A                                      | Black EWC                           | Gold RTC, Blue RTC, Blue EWC   |
| Pearl                        | —  | —                                   | Premium C36S, Silver Line C24R |
| Pferd                        | —  | C 24 R SG ASP                       | C 24 R SG GP                   |
| Sait                         | Street Runner                                  | C16                                 | C24R, Street Walker            |
| Tyrolit                      | Concrete/Asphalt CHP                           | Asphalt CP                          | Concrete CP                    |
| Virginia Abrasives           | —  | GC/Asphalt                          | Concrete                       |
| Walter                       | —  | —                                   | C-24                           |

## AVAILABILITY

|            | <b>BETTER</b>   | <b>GOOD</b>  | <b>GOOD</b>   |
|------------|---|--|---|
| TIER:      | Norton  | Norton   | Norton  |
| BRAND:     | Norton  | Norton   | Norton  |
| TRADENAME: | <b>GEMINI ASPHALT - HP</b>  | <b>GEMINI ASPHALT - CP</b>   | <b>GEMINI CONCRETE - CP</b>   |
| SHAPE:     | Type 01   | Type 01  | Type 01   |
| ABRASIVE:  | Silicon Carbide   | Silicon Carbide  | Silicon Carbide   |
| BOND:      | Hot Pressed   | Cold Pressed   | Cold Pressed  |
| MATERIAL:  |  |  |  |

| SIZE (D x T x H)                              | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      |
|---|----------|-----------|-------------|-------------|-------------|
| <b>Type 01 Cut-off – For Walk-Behind Saws</b> |          |           |             |             |             |
| 14 x 3/16 x 1 Pin Hole                        | 4,365    | 10        | 70184670100 | 70184680324 | 70184680323 |
| 14 x 1/4 x 1 Pin Hole                         | 4,365    | 5         | 70184670099 | 70184670535 | 70184670533 |
| 18 x 1/4 x 1 Pin Hole                         | 4,250    | 5         | 70184670103 | 70184670098 |             |
| 18 x 3/8 x 1 Pin Hole                         | 4,250    | 5         | 70184648998 |             |             |



For higher-production applications, optimum speed of cut and product life, please see our complete selection of walk-behind diamond blades in our Diamond, Abrasives and Equipment for the Construction Market Catalog #7719 found on [www.nortonconstructionproducts.com](http://www.nortonconstructionproducts.com).



## CATEGORY DEFINITION

A chop saw is a light, low-horsepower portable machine. Although very similar to a compound miter saw, it is designed for cutting denser materials, like metal bar, tubing or pipe. Chop saw cut-off wheels are designed specifically for this machine with finer grit, softer grades, and reinforcement layers that match the application.

|                            |   |
|----------------------------|---|
| <b>APPLICATIONS:</b>       | Cutting small-diameter metal pieces, bar stock, metal pipe, tubing, decking, cable, drywall studs, and metal plate dimensioning |
| <b>SIZE RANGE:</b>         | 10" - 16" diameter  |
| <b>THICKNESS RANGE:</b>    | 7/64"   |
| <b>ABRASIVE GRAIN:</b>     | Zirconia Alumina/Aluminum Oxide Blend, Aluminum Oxide, Silicon Carbide  |
| <b>SHAPE:</b>              | Type O1 Straight  |
| <b>REINFORCEMENT TYPE:</b> | Side reinforced, centrally reinforced   |

## CROSS REFERENCE GUIDE

|                  | TOTAL PERFORMANCE ←                   |                       |                       | INITIAL PRICE →                   |                        |                     | SPECIALTY →                   |                    |                |
|------------------|---------------------------------------|-----------------------|-----------------------|-----------------------------------|------------------------|---------------------|-------------------------------|--------------------|----------------|
| <b>NORTON</b>    | <b>BETTER</b><br>BlueFire<br>Free Cut | BlueFire<br>Rapid Cut | BlueFire<br>Long Life | <b>GOOD</b><br>Gemini<br>Free Cut | Gemini<br>Rapid Cut    | Gemini<br>Long Life | <b>GOOD</b><br>Stud<br>Cutter | Gemini<br>Aluminum | Masonry        |
| <b>Brilliant</b> | —                                     | —                     | —                     | Super-G                           | Tube/Pipe              | —                   | Drywall Stud                  | Aluminum           | —              |
| <b>Bullard</b>   | ZA36T                                 | —                     | —                     | TA36T<br>A46T<br>The Competitor   | A36R<br>The Competitor | A36R<br>Ironmaster  | A46T Studmaster               | AL36R              | —              |
| <b>Camel</b>     | —                                     | —                     | ZA24-S                | A36-P, WA36-P                     | —                      | A36-S               | A30-R Mr. Stud                | A30-N              | —              |
| <b>Dewalt</b>    | —                                     | —                     | XP                    | GP, Stainless<br>Fabrication      | —                      | —                   | Stud Cutting                  | —                  | —              |
| <b>Flexovit</b>  | —                                     | —                     | —                     | A30R Fast Cut<br>A30-Q Free Cut   | —                      | A30S Long<br>Life   | A30T Drywall Stud             | —                  | —              |
| <b>Makita</b>    | —                                     | —                     | —                     | —                                 | General Purpose        | —                   | —                             | —                  | —              |
| <b>Pearl</b>     | SRT36                                 | —                     | —                     | A36P Premium                      | A30P Silver Line       | —                   | A46S Stud Cutting             | —                  | —              |
| <b>Pferd</b>     | —                                     | —                     | —                     | A 36 K SG CHOP                    | PSF CHOP               | —                   | A 36 K SG-STUD                | —                  | C 36 K SG-CHOP |
| <b>Sait</b>      | Saitech<br>Steel Worker               | Z-tech                | —                     | EZ-Chop                           | EZ-Chop Attacker       | Iron Worker         | Stud King                     | Aluminum           | —              |
| <b>Walter</b>    | —                                     | —                     | —                     | —                                 | A-30                   | A-30-HC+            | —                             | A30-ALU            | —              |

## APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE

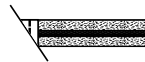
### WHEEL TYPE/REINFORCEMENT

#### TYPE O1 STRAIGHT SIDE REINFORCED CUT-OFF WHEEL



Side reinforced wheels have two full layers of reinforcing and are designed for a fast cut and the most aggressive applications. All Purpose, Free Cut, and Long Life are side reinforced.

#### TYPE O1 STRAIGHT CENTRALLY REINFORCED CUT-OFF WHEEL



Centrally reinforced wheels have a single layer of reinforcing with exposed rough sides for free-cutting, non-binding applications where minimal burr and burn are the key requirements. Rapid Cut wheels are centrally reinforced.

## HOW TO PICK THE RIGHT BOND TYPE

|                         |             |   |
|-------------------------|-------------|---|
| <b>All Purpose</b>      | Unmarked    | Where an excellent blend of cut rate and life is needed   |
| <b>Free Cut</b>         | <b>FC</b>   | Used when fast, burn-free cutting is desired or when cutting pieces with larger cross sections                            |
| <b>Long Life</b>        | <b>LL</b>   | Where durability is needed due to severe application, and when cutting parts with small cross sections                    |
| <b>Rapid Cut</b>        | <b>RC</b>   | Where a free cutting, non-binding wheel is needed for burn-free and burr-free cuts  |
| <b>High-Performance</b> | <b>STUD</b> | High-performance aluminum oxide/resin bond combination designed for cleaner cuts and longer life when cutting steel studs |
| <b>Aluminum</b>         | <b>ALU</b>  | Specially formulated bond for reduced loading/surface contamination when cutting aluminum/soft materials                  |



## FEATURED PRODUCTS



### NORTON BLUEFIRE CHOP SAW REINFORCED CUT-OFF WHEELS

BETTER CHOICE FOR STEEL, STAINLESS STEEL AND ALL OTHER FERROUS METALS

#### FEATURES

- Durable zirconia alumina / premium aluminum oxide abrasive blend
- Free Cut: side reinforced
- Long Life: side reinforced
- Rapid Cut: centrally reinforced, rough sides

#### BENEFITS

- 2X the life and cut rate of aluminum oxide
- Engineered for larger cross-sections and/or hard-to-cut materials
- Ideal for small cross-section workpieces
- Free cutting, non-binding; burr- and burn-free cuts



### NORTON GEMINI CHOP SAW REINFORCED CUT-OFF WHEELS

GOOD CHOICE FOR ALL STEEL AND FERROUS METALS AS WELL AS SPECIALTY APPLICATIONS IN ALUMINUM

#### FEATURES

- Free Cut: side reinforced
- Long Life: side reinforced
- Rapid Cut: centrally reinforced, rough sides
- Aluminum: specially formulated bond for aluminum and other soft, nonferrous metals; no wax or rubber fillers

#### BENEFITS

- Engineered for larger cross-sections and/or hard-to-cut materials
- Ideal for small cross-section workpieces
- Free cutting, non-binding; burr- and burn-free cuts
- Free cutting; resist loading
- No surface contamination



### NORTON METAL STUD CUTTER CHOP SAW REINFORCED CUT-OFF WHEELS

GOOD CHOICE FOR DRYWALL STUDS

#### FEATURES

- Stud Cutter: thin, side-reinforced; with high-performance aluminum oxide abrasive

#### BENEFITS

- Designed specifically for cutting steel studs



NEW

### NORTON DIALAST DIAMOND CHOP SAW REINFORCED CUT-OFF WHEELS

DESIGNED FOR CUTTING STEEL, METAL STUDS, STAINLESS STEEL, NONFERROUS MATERIALS, TILE, BRICK, PLASTIC AND MUCH MORE

#### FEATURES

- A combination of high-quality diamond and advanced brazed single-layer bonding technology
- Environmentally friendly grinding
- Engineered with sound-dampening technology

#### BENEFITS

- Extra-long life vs. conventional abrasives or other vacuum-brazed diamond tools
- Retains the diamond grains and wheel shape for full life with low spark, while keeping a continuous grinding depth
- Less blade changes reduce downtime and labor costs
- Generate minimal dust
- Makes the blade environmentally-friendly when cutting indoors or out



## AVAILABILITY

| TIER:                           |             |              | <b>BEST</b>           | <b>BETTER</b>                       | <b>BETTER</b>                       | <b>GOOD</b>            | <b>GOOD</b>           | <b>GOOD</b>             | <b>GOOD</b>           |
|---------------------------------|-------------|--------------|-----------------------|-------------------------------------|-------------------------------------|------------------------|-----------------------|-------------------------|-----------------------|
| TRADENAME:                      |             |              | <b>NORTON DIALAST</b> | <b>NORTON BLUEFIRE</b>              | <b>NORTON BLUEFIRE</b>              | <b>NORTON GEMINI</b>   | <b>NORTON GEMINI</b>  | <b>NORTON METAL</b>     | <b>NORTON MASONRY</b> |
| SHAPE:                          |             |              | Type 01               | Type 01                             | Type 01                             | Type 01                | Type 01               | Type 01                 | Type 01               |
| ABRASIVE:                       |             |              | Diamond               | Zirconia Alumina/<br>Aluminum Oxide | Zirconia Alumina/<br>Aluminum Oxide | Aluminum Oxide         | Aluminum Oxide        | Aluminum Oxide          | Silicon Carbide       |
| REINFORCING:                    |             |              |                       | Side                                | Central                             | Side                   | Central               | Side                    | Side                  |
| MATERIAL:                       |             |              |                       | <b>STAINLESS</b>                    | <b>STAINLESS</b>                    | <b>STAINLESS</b>       | <b>STAINLESS</b>      | <b>STAINLESS</b>        |                       |
|                                 |             |              | <b>STAINLESS</b>      | <b>STEEL/METAL</b>                  | <b>STEEL/METAL</b>                  | <b>STEEL/METAL</b>     | <b>STEEL/METAL</b>    | <b>STEEL/METAL</b>      | <b>MASONRY</b>        |
| SIZE<br>(D x T x H)             | MAX.<br>RPM | STD.<br>PKG. | PART #                | PART #                              | PART #                              | PART #                 | PART #                | PART #                  | PART #                |
| <b>Type 01 Straight Cut-off</b> |             |              |                       |                                     |                                     |                        |                       |                         |                       |
| 10 x 7/64 x 1                   | 6,110       | 10           |                       |                                     |                                     | 66253106109 <b>LL</b>  |                       |                         |                       |
| 12 x 7/64 x 1                   | 5,095       | 10           |                       | 66252843250                         |                                     | 66253207554 <b>LL</b>  | 66253214561 <b>RC</b> |                         |                       |
|                                 | 5,095       | 5            |                       |                                     |                                     |                        |                       | 07660789400             |                       |
| 14 x 3/32 x 1                   | 4,365       | 10           |                       |                                     |                                     | 66253306627 <b>FC</b>  | 66253313588 <b>RC</b> | 66252835554             |                       |
|                                 | 4,365       | 10           |                       |                                     |                                     | 66253306626 <b>LL</b>  |                       | 07660789405 <b>STUD</b> |                       |
|                                 | 4,365       | 5            |                       |                                     |                                     |                        |                       | 07660789399             |                       |
| 14 x 7/64 x 1                   | 4,365       | 10           |                       | 66252843252 <b>FC</b>               | 66252843254 <b>RC</b>               |                        |                       |                         |                       |
|                                 | 4,365       | 10           |                       | 66252843253 <b>LL</b>               |                                     |                        |                       |                         |                       |
|                                 | 4,365       | 25           |                       |                                     |                                     |                        |                       |                         |                       |
|                                 | 4,365       | 10           |                       |                                     |                                     | 66253314816 <b>ALU</b> |                       | 07660703970 5 Pk        | 07660789402           |
| 14 x .155 x 1                   | 5,400       | 1            | 70184694053           |                                     |                                     |                        |                       |                         |                       |
| 16 x 3/32 x 1                   | 3,820       | 10           |                       |                                     |                                     | 66253410198 <b>LL</b>  |                       |                         |                       |
| 16 x 7/64 x 1                   | 3,820       | 10           |                       | 66252843256 <b>FC</b>               |                                     |                        |                       |                         |                       |
|                                 | 3,820       | 10           |                       | 66252843257 <b>LL</b>               |                                     |                        |                       |                         |                       |

### CUT-OFF WHEEL DESCRIPTION CODES

|                            |                       |                          |                       |                       |                           |
|----------------------------|-----------------------|--------------------------|-----------------------|-----------------------|---------------------------|
| <b>BLANK</b> = ALL PURPOSE | <b>ALU</b> = ALUMINUM | <b>FC</b> = FREE CUT     | <b>LL</b> = LONG LIFE | <b>RC</b> = RAPID CUT | <b>STUD</b> = STUD CUTTER |
| <b>■</b> = MASONRY         | <b>■</b> = STAINLESS  | <b>■</b> = STEEL / METAL |                       |                       |                           |





## CATEGORY DEFINITION

The Norton stationary saw reinforced cut-off wheel line consists of Type 01 straight 10" - 24" wheels, designed to fit on fixed-base stationary saws that are free-standing or mounted on a workbench.

|                         |   |
|-------------------------|---|
| <b>APPLICATIONS:</b>    | Primary applications are cutting of all metal parts (flat stock, bars, studs, pipes, tubes, angle iron, cable), wire rope and hydraulic hose used in fabrication, construction and plant maintenance. |
| <b>SIZE RANGE:</b>      | 10" – 20" diameter  |
| <b>THICKNESS RANGE:</b> | 3/32", 1/8", 5/32", 3/16"   |
| <b>ABRASIVE GRAIN:</b>  | Zirconia Alumina/Aluminium Oxide Blend, Aluminum Oxide, Silicon Carbide   |
| <b>SHAPE:</b>           | Type 01 Straight  |

## CROSS REFERENCE GUIDE



|                  | TOTAL PERFORMANCE  |                                   | INITIAL PRICE                       |                      | SPECIALTY         |                       |
|------------------|--------------------|-----------------------------------|-------------------------------------|----------------------|-------------------|-----------------------|
|                  | BETTER<br>BlueFire | GOOD<br>Gemini<br>Free Cut        | Gemini<br>Long Life                 | Gemini<br>Rapid Cut* | Norton<br>Masonry | GOOD<br>Foundry Cut** |
| <b>Abmast</b>    | Z 24 R3            | A 30 R                            | —                                   | —                    | —                 | AC 24 R3              |
| <b>Brilliant</b> | —                  | GP Fast Cut                       | GPX Long Life                       | XL , XLX             | —                 | —                     |
| <b>Bullard</b>   | —                  | A30-R                             | A30-T                               | A300                 | C20R              | —                     |
| <b>Camel</b>     | ZA24-R             | A24-R, A46-T                      | —                                   | —                    | C24-R             | WA24-S                |
| <b>Flexovit</b>  | —                  | A30RB Multi Purpose               | A30SB Long Life,<br>A24TB Long Life | —                    | C24RB             | AC24PB Heavy Duty     |
| <b>Metabo</b>    | —                  | A30N, A30R                        | A30S, A30V                          | —                    | C30S              | —                     |
| <b>Pearl</b>     | SRT36              | A30P Premium,<br>A30Q Silver Line | A30S Premium,<br>A36R Premium       | —                    | C24 Silver Line   | —                     |
| <b>Pferd</b>     | ZA 24 Q/R SG-HD    | A 24 N/P SG-HD                    | A 24 Q/S SG-HD                      | —                    | C 24 0 SG         | —                     |
| <b>Sait</b>      | —                  | A24N, A36R                        | A24R                                | —                    | C24R              | —                     |
| <b>Tyrolit</b>   | —                  | A30BF                             | —                                   | —                    | C30BF             | —                     |
| <b>Walter</b>    | —                  | A-24-FC                           | A-24-RIP                            | —                    | —                 | —                     |

\* FOR BURR-FREE APPLICATIONS, PLEASE SEE CENTRALLY-REINFORCED BLUEFIRE RAPID CUT AND GEMINI RAPID CUT WHEELS IN CHOP SAW CUT-OFF WHEEL SECTION OR AT WWW.NORTONABRASIVES.COM  
 \*\* FOR FOUNDRY AND OTHER PRODUCTION CUT-OFF WHEELS, PLEASE REFER TO THAT SECTION OF THIS NORTON FULL LINE CATALOG #7362 OR AT WWW.NORTONABRASIVES.COM

## AVAILABILITY

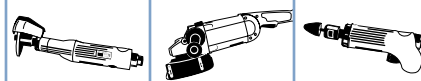


| TIER:            | BETTER                              | GOOD                      | GOOD                       | GOOD            |
|------------------|-------------------------------------|---------------------------|----------------------------|-----------------|
| TRADENAME:       | NORTON BLUEFIRE                     | NORTON GEMINI<br>FREE CUT | NORTON GEMINI<br>LONG LIFE | NORTON MASONRY  |
| SHAPE:           | Type 01                             | Type 01                   | Type 01                    | Type 01         |
| ABRASIVE:        | Zirconia Alumina/<br>Aluminum Oxide | Aluminum Oxide            | Aluminum Oxide             | Silicon Carbide |
| MATERIAL:        | STAINLESS                           | STAINLESS                 | STAINLESS                  | MASONRY         |
|                  | STEEL/METAL                         | STEEL/METAL               | STEEL/METAL                |                 |
| SIZE (D x T x H) | MAX. RPM                            | STD. PKG.                 | PART #                     | PART #          |

| SIZE (D x T x H)                | MAX. RPM | STD. PKG. | PART #                | PART #                | PART #                | PART #      |
|---------------------------------|----------|-----------|-----------------------|-----------------------|-----------------------|-------------|
| <b>Type 01 Straight Cut-off</b> |          |           |                       |                       |                       |             |
| 10 x 3/32 x 5/8                 | 6,110    | 10        | 66252843248           | 66253106101 <b>FC</b> | 66253106102 <b>LL</b> |             |
|                                 | 6,110    | 5         |                       |                       |                       | 07660789391 |
| 12 x 1/8 x 1                    | 5,095    | 10        | 66252843249           |                       | 66253207548 <b>LL</b> |             |
|                                 | 5,095    | 5         |                       |                       |                       | 07660789350 |
| 14 x 1/8 x 1                    | 4,365    | 10        | 66252843251           | 66253306609 <b>FC</b> | 66253306611 <b>LL</b> |             |
|                                 | 4,365    | 5         |                       |                       |                       | 07660789353 |
| 16 x 1/8 x 1                    | 3,820    | 10        |                       | 66253422942           |                       | 70184623029 |
| 16 x 5/32 x 1                   | 3,820    | 10        | 66252843255           | 66253410183 <b>FC</b> | 66253410184 <b>LL</b> |             |
| 18 x 5/32 x 1                   | 3,015    | 10        |                       | 66253410185 <b>FC</b> |                       |             |
| 20 x 5/32 x 1                   | 2,710    | 5         | 66252843258 <b>FC</b> | 69078609031 <b>FC</b> | 69078609032 <b>LL</b> |             |
|                                 | 2,710    | 5         | 66252843259 <b>LL</b> |                       |                       |             |
| 20 x 3/16 x 1                   | 2,710    | 5         |                       | 69078609033 <b>FC</b> | 69078609034 <b>LL</b> |             |

### CUT-OFF WHEEL DESCRIPTION CODES

**BLANK** = ALL PURPOSE    **FC** = FREE CUT    **LL** = LONG LIFE    **■** = STAINLESS    **■** = STEEL / METAL    **■** = MASONRY



## CATEGORY DEFINITION

For consistent, quality performance in foundries, welding shops, fabrication facilities, steel mills and shipyards, Norton snagging wheels maximize your productivity. Used on horizontal/straight shaft grinders or right angle cup portable grinders.

- APPLICATIONS:** Removing flaws, cracks, gates, risers and parting lines, smoothing weld seams, cleaning castings, and rough beveling
- SIZE RANGE:** Type 01 Straight Wheels: 2-1/2" – 8" diameter  
Type 06 and 11 Cup Wheels: 4" – 6" diameter  
Cones and Plugs: Type 16, 17, 17R, 18 and 18R
- GRIT RANGE:** 14 – 24
- ABRASIVE TYPES:** Zirconia Alumina NZ and NV; Zirconia Alumina/Silicon Carbide Blend NVC; Aluminum Oxide 57A and Metal; Aluminum Oxide/Silicon Carbide Blend 57AC, Silicon Carbide 37C

## 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>Iron</b>   | Gray<br>Ductile/Malleable<br>Dirty/Scale-covered | NorZon Plus NZ14-R<br>NorZon Plus NZ14-R                 | BlueFire NV16-Q<br>BlueFire NV16-Q<br>BlueFire NVC16-Q     | Gemini 57A16-Q, Metal<br>Gemini 57A16-Q, Metal<br>Gemini 57AC16-Q |
| <b>Steel</b>  | Carbon and Low Alloy<br>Stainless and High Alloy | NorZon Plus NZ16-Q<br>NorZon Plus NZ16-P                 | BlueFire NV16-Q<br>BlueFire NV16-Q<br>BlueFire NVC16-Q     | Gemini 57A16-Q, Metal<br>Gemini 57A16-Q, Metal<br>Gemini 57AC16-Q |
| <b>Aluminum, Copper, Brass, &amp; Bronze Alloys</b> |  |  | BlueFire NVC16-Q   | Gemini 57AC16-Q   |

NOTE: GRADE, GRIT AND ABRASIVE TUNING MAY BE NECESSARY TO OBTAIN OPTIMUM PERFORMANCE

## CROSS REFERENCE GUIDE FOR TYPE 01, 06 AND 11

| NORTON      | TOTAL PERFORMANCE ←              |                                 |                 | INITIAL PRICE →              |                |               |
|-------------|----------------------------------|---------------------------------|-----------------|------------------------------|----------------|---------------|
|             | <b>BEST</b><br>NorZon Plus<br>NZ | <b>BETTER</b><br>BlueFire<br>NV | BlueFire<br>NVC | <b>GOOD</b><br>Gemini<br>57A | Gemini<br>57AC | Gemini<br>37C |
| Brilliant   | —                                | ZA16QB                          | —               | A16QB                        | —              | C16QB         |
| Bullard     | —                                | ZA16PB                          | —               | A16R                         | AC16           | C16P          |
| Camel       | —                                | —                               | —               | A                            | CA             | C             |
| Flexovit    | ZA16PB                           | —                               | —               | A16QB                        | AC16QB         | C16PB         |
| Gulf States | Zirconium                        | —                               | —               | A16                          | —              | C16           |
| Pacific     | Z, Z-GPC                         | —                               | —               | A                            | CA             | —             |
| Pearl       | —                                | —                               | —               | A16Q                         | —              | C16-Q         |
| Pferd       | ZA 16 Q SG                       | —                               | —               | A 16 Q SG                    | —              | C 16 Q SG     |
| Sait        | —                                | Z16                             | —               | A16, 20                      | CA16           | C16           |
| Tyrolit     | —                                | —                               | —               | A16PB                        | —              | C16PB         |
| Walter      | —                                | —                               | —               | A                            | —              | C             |

## FEATURED PRODUCTS



### NORTON NORZON PLUS WHEELS, CONES AND PLUGS

BEST CHOICE FOR HEAVY-DUTY STOCK REMOVAL ON HIGH-HORSEPOWER GRINDERS

#### FEATURES

- NZ Plus (NorZon) – premium zirconia alumina grain

#### BENEFITS

- Engineered for high-powered machines 10X life, 50% faster grinding versus aluminum oxide products



### NORTON BLUEFIRE SNAGGING WHEELS, CONES AND PLUGS

BETTER CHOICE FOR STOCK REMOVAL ON HIGH- AND MEDIUM-HORSEPOWER GRINDERS

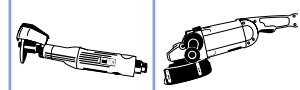
#### FEATURES

- More friable zirconia alumina grain and durable resin bond technologies
- NVC – zirconia alumina/silicon carbide blend

#### BENEFITS

- Higher metal removal rates, faster, freer-cutting than standard zirconia alumina blends
- Up to 5X the life of aluminum oxide products; better grinding action
- Highly effective on dirty, scale-covered castings





## FEATURED PRODUCTS



VENDIBLE

### NORTON GEMINI

GOOD CHOICE FOR STEEL AND FERROUS METALS AS WELL AS SPECIALTY APPLICATIONS IN ALUMINUM AND FOUNDRIES

#### FEATURES

- Quality aluminum oxide

#### BENEFITS

- Consistent performance at a competitive price



NEW

### NORTON METAL/MASONRY

GOOD CHOICE FOR STEEL/FERROUS METAL AND MASONRY APPLICATIONS WITH LOW INITIAL PRICE

#### FEATURES

- Aluminum oxide abrasive
- Low initial price point

#### BENEFITS

- Engineered for all steel/ferrous materials
- Best starting specification for end user unable to measure performance

## AVAILABILITY

TIER:  
TRADENAME:  
SHAPE:  
ABRASIVE:



BEST

NORTON NORZON PLUS

Type 01

Zirconia Alumina



BETTER

NORTON BLUEFIRE

Type 01

Zirconia Alumina NV  
Zirconia Alumina/Silicon Carbide NVC



GOOD

NORTON GEMINI

Type 01

Aluminum Oxide 57A, Silicon Carbide 37C,  
Aluminum Oxide/Silicon Carbide 57AC

| SIZE<br>(D x T x H)                        | MAX.<br>RPM | STD.<br>PKG. | SPEC   | PART #      | SPEC    | PART #        | SPEC     | PART #      |
|--|-------------|--------------|--------|-------------|---------|---------------|----------|-------------|
| <b>Type 01 Straight</b>                    |             |              |        |             |         |               |          |             |
| 2-1/2 x 1/2 x 3/8                          | 21,700      | 20           |        |             |         |               | 57A24-R  | 66243522381 |
| 3 x 1/4 x 3/8                              | 20,370      | 25           |        |             | NV20-T  | 66253343872** | 57A24-T  | 66243528831 |
| 3 x 3/8 x 3/8                              | 18,080      | 10           |        |             |         |               | 57A24-R  | 66243522415 |
| 3 x 1/2 x 3/8                              | 18,080      | 10           |        |             |         |               | 57A24-P  | 66243522417 |
| 4 x 1/4 x 3/8                              | 15,280      | 10           |        |             | NV20-T  | 66253344098   | 57A24-R  | 66243522221 |
| 6 x 1 x 5/8                                | 8,000       | 5            | NZ14-Q | 66252838075 | NV14-R  | 66253198589   | 57A16-QS | 66252809563 |
| S Webs                                     | 8,000       | 5            | NZ14-R | 66252837961 |         |               |          |             |
| 8 x 3/4 x 5/8                              | 6,000       | 10           |        |             | NV14-S  | 66253344347   |          |             |
| S Webs                                     |             |              |        |             |         |               |          |             |
| 8 x 1 x 5/8                                | 6,000       | 5            | NZ16-O | 66253030778 | NV16-Q  | 66253198590   |          |             |
| S Webs                                     | 6,000       | 5            | NZ16-Q | 66253044532 |         |               |          |             |
|  | 6,000       | 10           |        |             | NV14-R  | 66253 344355  |          |             |
|  | 6,000       | 10           |        |             | NV14-T  | 66253344365   |          |             |
|  | 6,000       | 10           |        |             | NVC16-Q | 66253198592   |          |             |
| <b>Type 06 Straight Cup</b>                |             |              |        |             |         |               |          |             |
| 6 x 2 x 5/8-11                             | 6,000       | 5            | NZ16-R | 66252838577 |         |               |          |             |
| Rim 2" Back 3/4"                           |             |              |        |             |         |               |          |             |
| <b>Type 11 Flaring Cup</b>                 |             |              |        |             |         |               |          |             |
| 4/3 x 2 x 5/8-11                           | 9,070       | 10           | NZ16-Q | 66243530761 | NV16-Q  | 66253198583   | 57A16-Q  | 66243510512 |
| Rim 3/4" Back 3/4"                         |             |              |        |             |         |               |          |             |
| 5/3-3/4 x 2 x 5/8-11                       | 7,260       | 5            |        |             | NV16-Q  | 66253146918   | 57A16-Q  | 66252809598 |
| Rim 1" Back 3/4"                           |             |              |        |             |         |               |          |             |
| 6/4-3/4 x 2 x 5/8-11                       | 6,000       | 5            | NZ16-Q | 66252838568 | NV16-Q  | 66253146925   | 57A16-Q  | 66252825201 |
| Rim 1" Back 3/4"                           | 6,000       | 5            | NZ16-R | 66252838566 |         |               |          |             |
| 6/4-3/4 x 2 x 5/8-11                       | 6,000       | 5            | NZ16-P | 66252830765 | NV16-Q  | 66253198584   | 37C16-P  | 66252809609 |
| Rim 1-1/2" Back 3/4"                       | 6,000       | 5            |        |             | NVC16-Q | 66253146922   | 57A16-Q  | 66252809618 |
|  | 6,000       | 5            |        |             |         |               | 57AC16-Q | 66252809608 |
| <b>Type 11 Flaring Cup with Steel Back</b> |             |              |        |             |         |               |          |             |
| 4/3 x 2 x 5/8-11                           | 9,070       | 10           |        |             | NV16-Q  | 66253146917   |          |             |
| Rim 3/4" Back 3/4"                         |             |              |        |             |         |               |          |             |
| 5/3-13/16 x 2 x 5/8-11                     | 7,260       | 10           |        |             | NV16-Q  | 66253146920   |          |             |
| Rim 1" Back 3/4"                           |             |              |        |             |         |               |          |             |
| 6/4-13/16 x 2 x 5/8-11                     | 6,000       | 5            |        |             | NV14-R  | 66253344373   | 57A16-Q  | 66252809599 |
| Rim 1-1/2" Back 3/4"                       | 6,000       | 5            |        |             | NV16-Q  | 66253198586   | 57AC16-Q | 66252809600 |
|  | 6,000       | 5            |        |             | NVC16-Q | 66253146929   |          |             |

\*\* STD.PKG. = 50



## AVAILABILITY

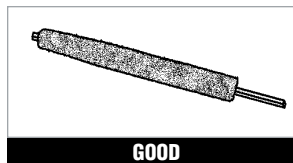


TIER: **BEST** **BETTER** **GOOD** **GOOD**  
 TRADENAME: **NORTON NORZON PLUS** **NORTON BLUEFIRE** **NORTON GEMINI** **NORTON METAL**  
 ABRASIVE: Zirconia Alumina Zirconia Alumina/Aluminum Oxide Aluminum Oxide Aluminum Oxide

| SIZE (D x T x H)                     | MAX. RPM | STD. PKG. | SPEC   | PART #      | SPEC   | PART #      | SPEC    | PART #      | SPEC     | PART #      |
|--------------------------------------|----------|-----------|--------|-------------|--------|-------------|---------|-------------|----------|-------------|
| <b>Type 16 Cones</b>                 |          |           |        |             |        |             |         |             |          |             |
| 1 x 3 x 3/8-24<br>(ME 107019)        | 36,290   | 10        |        |             | NV20-S | 66253344376 | 57A24-R | 61463622342 | Metal 24 | 66253349752 |
| 1-1/2 x 2-1/2 x 3/8-24<br>(ME 44436) | 24,190   | 10        |        |             |        |             | 57A24-R | 61463622349 | Metal 24 | 66253349754 |
| 1-1/2 x 3 x 3/8-24<br>(ME 139029)    | 24,190   | 10        |        |             | NV20-S | 66253344377 |         |             |          |             |
| 1-1/2 x 3 x 5/8-11<br>(ME 70535)     | 24,190   | 10        | NZ20-R | 61463644231 | NV20-S | 66253344379 | 57A24-R | 61463622190 | Metal 24 | 66253349757 |
| 1-3/4 x 3 x 3/8-24<br>(ME49226)      | 20,735   | 10        |        |             |        |             | 57A24-R | 61463614503 | Metal 24 | 66253349840 |
| 1-3/4 x 3 x 5/8-11<br>(ME 33432)     | 20,740   | 10        |        |             |        |             | 57A24-R | 61463622195 | Metal 24 | 66253349841 |
| 2 x 3 x 5/8-11<br>(ME 28229)         | 18,145   | 10        | NZ20-R | 61463644232 | NV20-S | 66253344381 | 57A24-R | 61463622218 | Metal 24 | 66253349846 |
| 2-3/4 x 3-1/2 x 5/8-11<br>(ME 18265) | 13,195   | 10        |        |             | NV20-S | 66253344383 | 57A24-R | 61463622387 | Metal 24 | 66253349855 |
| <b>Type 17 Cones, Square Tip</b>     |          |           |        |             |        |             |         |             |          |             |
| 1-1/2 / 1/2 x 3 x 3/8-24             | 24,190   | 10        |        |             |        |             | 57A24-R | 61463622194 | Metal 24 | 66253349753 |
| 2 / 1/2 x 3 x 5/8-11                 | 18,145   | 10        |        |             |        |             | 57A24-R | 61463615722 | Metal 24 | 66253349845 |
| <b>Type 17R Cones, Round Tip</b>     |          |           |        |             |        |             |         |             |          |             |
| 2 / 3/4 x 3 x 5/8-11<br>(ME 151373)  | 18,145   | 10        |        |             | NV20-S | 66253344384 |         |             |          |             |
| <b>Type 18 Plugs, Square Tip</b>     |          |           |        |             |        |             |         |             |          |             |
| 1-1/2 x 2-1/2 x 3/8-24               | 24,190   | 10        |        |             |        |             | 57A24-R | 61463622217 | Metal 24 | 66253349755 |
|                                      | 24,190   | 1         |        |             |        |             | 57A24-R | 66253325902 |          |             |
| 1-1/2 x 2-1/2 x 5/8-11               | 24,190   | 10        | NZ20-R | 61463644224 | NV20-S | 66253344385 | 57A24-R | 61463622351 |          |             |
|                                      | 24,190   | 1         |        |             |        |             | 57A24-R | 66253325905 |          |             |
| 1-1/2 x 3 x 5/8-11                   | 24,190   | 10        |        |             | NV20-S | 66253344386 | 57A24-R | 61463622191 | Metal 24 | 66253349838 |
|                                      | 24,190   | 1         |        |             |        |             | 57A24-R | 66253325909 |          |             |
| 2 x 3 x 5/8-11                       | 18,145   | 10        | NZ20-R | 61463644234 | NV20-S | 66253344387 | 57A24-R | 61463622219 | Metal 24 | 66253349847 |
|                                      | 18,145   | 10        |        |             | NV24-S | 66253344391 |         |             |          |             |
| 2 x 4 x 5/8-11                       | 18,145   | 10        |        |             |        |             | 57A24-R | 61463622366 | Metal 24 | 66253349850 |
| <b>Type 18R Plugs, Round Tip</b>     |          |           |        |             |        |             |         |             |          |             |
| 1-1/2 x 3 x 3/8-24                   | 24,190   | 10        |        |             |        |             | 57A24-R | 61463622192 | Metal 24 | 66253349756 |
|                                      | 24,190   | 1         |        |             |        |             | 57A24-R | 66253325907 |          |             |
| 2 x 3 x 5/8-11                       | 18,145   | 10        |        |             | NV20-S | 66253344389 | 57A24-R | 61463622220 | Metal 24 | 66253349849 |

✓ = VENDIBLE PACKAGE. IDEAL FOR VENDING MACHINES & SMALL JOBS.

## AVAILABILITY



TIER: **GOOD**  
 BRAND: **NORTON**  
 ABRASIVE: Silicon Carbide

| SIZE (T x W x L)                                   | STD. PKG. | SPEC.    | PART #      |
|--|-----------|----------|-------------|
| <b>Stock Resinoid Core Files – Silicon Carbide</b> |           |          |             |
| 1/2 x 1 x 10                                       | 5         | 37C24-SB | 61463610314 |



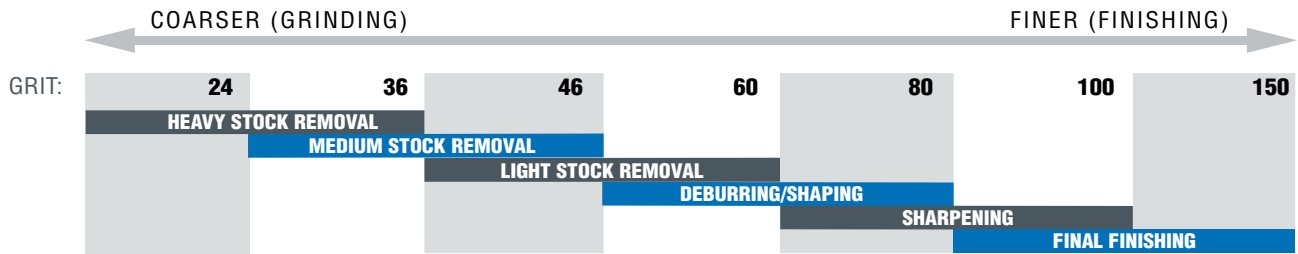
**CATEGORY DEFINITION**

The Norton bench and pedestal wheel line consists of all wheel diameters and arbor sizes, abrasive types and grit sizes. Our offering answers all metal removal, deburring, shaping and sharpening needs: white aluminum oxide for high-speed tool steels, brown aluminum oxide for carbon steel, and silicon carbide for non-ferrous metals and carbide tooling.

- APPLICATIONS:** Offhand deburring and sharpening of parts and tools
- SIZE RANGE:** 5" – 18"
- GRIT RANGE:** 24 – 150
- ABRASIVE TYPES:** Aluminum Oxide (Alundum), Silicon Carbide (Crystolon)
- BUSHINGS:** Telescopic arbor bushings to fit all popular grinders are packaged with the wheel



**APPLICATION/GRIT RECOMMENDATION GUIDE**



**FEATURED PRODUCTS**



**PREMIUM WHITE ALUMINUM OXIDE**

BETTER CHOICE FOR LIGHT METAL REMOVAL AND SHARPENING OF HIGH-SPEED TOOL STEELS (55 RC AND HIGHER)

**FEATURES**

- White aluminum oxide in a premium vitrified bond

**BENEFITS**

- Maximum cut rate and cool grinding action on hardened or high-speed tool steels



**NORTON GEMINI ALUMINUM OXIDE**

GOOD CHOICE FOR ALL GENERAL-PURPOSE BENCH AND PEDESTAL APPLICATIONS

**FEATURES**

- Quality, brown aluminum oxide

**BENEFITS**

- Economical prices; ideal for small job shops and numerous general-purpose applications



**NORTON GEMINI SILICON CARBIDE**

GOOD CHOICE FOR ALL GENERAL-PURPOSE BENCH AND PEDESTAL APPLICATIONS ON NONFERROUS MATERIALS AND CARBIDE TOOLING

**FEATURES**

- Sharp, green silicon carbide

**BENEFITS**

- Economical prices; ideal for small job shops and numerous general-purpose applications

**TECHtip**

- Unsecured machines can move, causing grinding breakage and injury. Fixed-based bench and pedestal grinders MUST be secured.
- Do not grind wood, plastic, or any other non-metallic material on a bench or pedestal grinder.
- All bench and pedestal wheels must be dressed to prevent loading. Loading can cause excessive heat, damage to the workpiece, and wheel breakage. Dressing exposes new cutting edges and provides chip clearance.
- Recommended starting dressing stick: 1 x 1 x 6 37C24-SVK Part # 61463610462.



It is the user's responsibility to refer to and comply with ANSI B7.1



**AVAILABILITY**



TIER: **BETTER**  
 BRAND: Norton  
 TRADENAME: **PREMIUM ALUNDUM**  
 ABRASIVE: White Aluminum Oxide



TIER: **BETTER**  
 BRAND: Norton  
 TRADENAME: **57A**  
 ABRASIVE: Brown Aluminum Oxide



TIER: **GOOD**  
 BRAND: Norton  
 TRADENAME: **GEMINI ALUNDUM**  
 ABRASIVE: Brown Aluminum Oxide

| SIZE (D x T x H)   | MAX. RPM | MIN./STD. PKG. | SPEC          | PART #      | MIN./STD. PKG. | SPEC       | PART #      | MIN./STD. PKG. | SPEC           | PART #      |
|--------------------|----------|----------------|---------------|-------------|----------------|------------|-------------|----------------|----------------|-------------|
| 5 x 1/2 x 1        | 4,965    |                |               |             |                |            |             | 1/5            | Medium 60/80   | 07660788202 |
|                    | 4,965    |                |               |             |                |            |             | 1/5            | Fine 100/120   | 07660788201 |
| 5 x 3/4 x 1        | 4,965    |                |               |             |                |            |             | 1/5            | Coarse 36/46   | 07660788215 |
|                    | 4,965    |                |               |             |                |            |             | 1/5            | Medium 60/80   | 07660788210 |
|                    | 4,965    |                |               |             |                |            |             | 1/5            | Fine 100/120   | 07660788205 |
| 5 x 1 x 1          | 4,965    |                |               |             |                |            |             | 1/5            | Coarse 36/46   | 07660788230 |
|                    | 4,965    |                |               |             |                |            |             | 1/5            | Medium 60/80   | 07660788225 |
| 6 x 1/2 x 1        | 4,140    |                |               |             |                |            |             | 1/5            | Coarse 36/46   | 66252836132 |
|                    | 4,140    |                |               |             |                |            |             | 1/5            | Medium 60/80   | 66252836131 |
|                    | 4,140    |                |               |             |                |            |             | 1/5            | Fine 100/120   | 66252836133 |
| 6 x 3/4 x 1        | 4,140    | 1/5            | Medium 60     | 07660788246 |                |            |             | 1/5            | Coarse 36/46   | 07660788245 |
|                    | 4,140    | 1/5            | Fine 100      | 07660788247 |                |            |             | 1/5            | Medium 60/80   | 07660788240 |
|                    | 4,140    | 1/5            | Very Fine 150 | 07660788248 |                |            |             | 1/5            | Fine 100/120   | 07660788235 |
| 6 x 1 x 1          | 4,140    | 1/5            | Medium 60     | 07660788261 |                |            |             | 1/5            | Coarse 36/46   | 07660788260 |
|                    | 4,140    | 1/5            | Fine 100      | 07660788262 |                |            |             | 1/5            | Medium 60/80   | 07660788255 |
|                    | 4,140    | 1/5            | Very Fine 150 | 07660788263 |                |            |             | 1/5            | Fine 100/120   | 07660788250 |
| 7 x 1 x 1          | 3,600    |                |               |             |                |            |             | 1/5            | Coarse 36/46   | 07660788275 |
|                    | 3,600    |                |               |             |                |            |             | 1/5            | Medium 60/80   | 07660788270 |
|                    | 3,600    |                |               |             |                |            |             | 1/5            | Fine 100/120   | 07660788265 |
| 8 x 3/4 x 1        | 3,600    |                |               |             |                |            |             | 1/5            | Coarse 36/46   | 07660788278 |
|                    | 3,600    |                |               |             |                |            |             | 1/5            | Medium 60/80   | 07660788277 |
|                    | 3,600    |                |               |             |                |            |             | 1/5            | Fine 100/120   | 66253042317 |
| 8 x 1 x 1          | 3,600    | 1/5            | Medium 60     | 07660788281 |                |            |             | 1/5            | Very Coarse 24 | 66253044454 |
|                    | 3,600    | 1/5            | Fine 100      | 07660788282 |                |            |             | 1/5            | Coarse 36/46   | 07660788286 |
|                    | 3,600    | 1/5            | Very Fine 150 | 07660788283 |                |            |             | 1/5            | Medium 60/80   | 07660788285 |
| 10 x 1 x 1-1/4     | 2,485    |                |               |             | 1/5            | 57A46-MVBE | 66253116274 | 1/2            | Very Coarse 24 | 66253160788 |
|                    | 2,485    |                |               |             | 1/5            | 57A60-MVBE | 66253116273 | 1/2            | Coarse 36/46   | 07660788295 |
|                    | 2,485    |                |               |             |                |            |             | 1/2            | Medium 60/80   | 07660788290 |
|                    | 2,485    |                |               |             |                |            |             | 1/2            | Fine 100/120   | 66253160350 |
| 10 x 1-1/4 x 1-1/4 | 2,485    |                |               |             |                |            |             | 1/2            | Coarse 36/46   | 66253161250 |
|                    | 2,485    |                |               |             |                |            |             | 1/2            | Medium 60/80   | 66253161251 |
| 10 x 1-1/2 x 1-1/4 | 2,485    |                |               |             | 1/5            | 57A46-MVBE | 66253116280 | 1/2            | Coarse 36/46   | 66253161393 |
|                    | 2,485    |                |               |             |                |            |             | 1/2            | Medium 60/80   | 66253161395 |
| 12 x 1 x 1-1/4     | 2,070    |                |               |             | 1/5            | 57A46-MVBE | 66253220947 |                |                |             |
| 12 x 1-1/2 x 1-1/2 | 2,070    |                |               |             |                |            |             | 1/2            | Coarse 36/46   | 66253263052 |
|                    | 2,070    |                |               |             |                |            |             | 1/2            | Medium 60/80   | 66253263053 |
| 12 x 2 x 1-1/2     | 2,070    |                |               |             | 1/4            | 57A30-MVBE | 66253220951 | 1/2            | Very Coarse 24 | 66253263054 |
|                    | 2,070    |                |               |             | 1/4            | 57A36-OVBE | 66253220952 | 1/2            | Coarse 36/46   | 66253263055 |
|                    | 2,070    |                |               |             | 1/4            | 57A46-MVBE | 66253220953 | 1/2            | Medium 60/80   | 66253263056 |
|                    | 2,070    |                |               |             | 1/4            | 57A60-MVBE | 66253220955 |                |                |             |
| 14 x 2 x 1-1/2     | 1,800    |                |               |             | 1/3            | 57A24-QVBE | 66253319972 |                |                |             |
|                    | 1,800    |                |               |             | 1/3            | 57A36-OVBE | 66253319973 |                |                |             |
|                    | 1,800    |                |               |             | 1/3            | 57A46-MVBE | 66253319974 |                |                |             |
| 14 x 2-1/2 x 1-1/2 | 1,800    |                |               |             | 1/2            | 57A24-QVBE | 66253319976 |                |                |             |
|                    | 1,800    |                |               |             | 1/2            | 57A46-MVBE | 66253319975 |                |                |             |
| 14 x 3 x 1-1/2     | 1,800    |                |               |             | 1/2            | 57A36-OVBE | 66253319977 |                |                |             |
| 18 x 3 x 1-1/2     | 1,275    |                |               |             | 1/2            | 57A24-QVBE | 66253462610 |                |                |             |

**Bench and Pedestal Wheel Arbor Bushings**

| WHEEL DIAMETER | WHEEL CENTER HOLE | 1/2" | 5/8" | 3/4" | 7/8" | 1" | 1-1/4" |
|----------------|-------------------|------|------|------|------|----|--------|
| 5", 6", 7"     | 1"                | •    | •    | •    | •    |    |        |
| 8"             | 1"                |      | •    | •    | •    |    |        |
| 10"            | 1-1/4"            |      |      | •    | •    | •  |        |
| 12" x 2"       | 1-1/4"            |      |      |      |      | •  |        |
| 12" and 14"    | 1-1/2"            |      |      |      |      | •  | •      |

THESE SIZE BUSHINGS SHIPPED FREE OF CHARGE WITH YOUR WHEEL ORDER.



**CATEGORY DEFINITION**

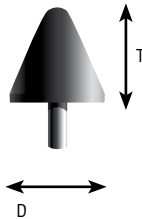
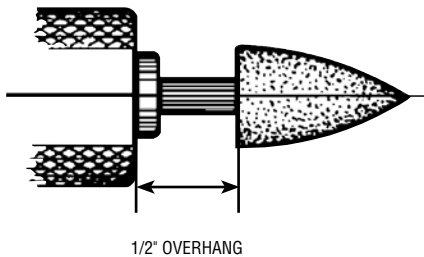
Resin bond, vitrified bond, center lap, and cotton fiber mounted points are available in a wide range of shapes.

**INDUSTRIES:** Aerospace  
Tool and Die  
Construction  
Metal Fabrication  
Automotive  
Cutlery  
Mold Shops  
Stainless Steel Equipment  
Foundries

**ABRASIVE GRAIN:** Ceramic Alumina, Zirconia Alumina, Zirconia Alumina/Aluminum Oxide Blend, Aluminum Oxide, Silicon Carbide

**SHAPE AVAILABILITY:** A, B, and W

**MEASUREMENT GUIDE**



**DESCRIPTION OF OVERHANG**

Overhang is the distance between the grinder chuck and the abrasive on the spindle. The larger the overhang, the lower the maximum safe operating speed.

**SIZE**

Measured by diameter (D) x thickness (T)

**FEATURED PRODUCTS**



**COTTON FIBER MOUNTED POINTS**

GOOD FOR BLENDING AND POLISHING

**FEATURES**

- 80 grit
- 120 grit

**BENEFITS**

- For most materials
- For polishing and stainless steel applications

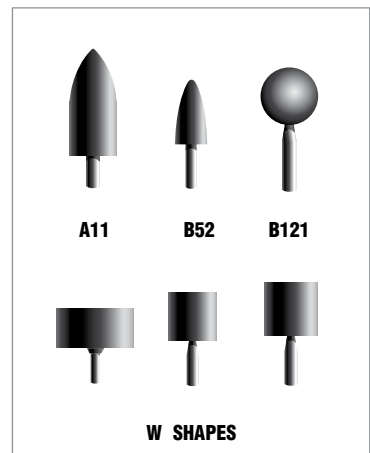
**AVAILABILITY**

|            |                     |
|------------|---------------------|
| TIER:      | <b>GOOD</b>         |
| BRAND:     | Norton              |
| TRADENAME: | <b>COTTON FIBER</b> |
| ABRASIVE:  | Aluminum Oxide      |

| SHAPE                              | SIZE (D x T) | SPINDLE DIA.† | MAX. RPM* | MIN./STD. PKG. | SPEC      | PART #      |
|------------------------------------|--------------|---------------|-----------|----------------|-----------|-------------|
| <b>Cotton Fiber Mounted Points</b> |              |               |           |                |           |             |
| A11                                | 7/8 x 2      | 1/4           | 19,860    | 5/25           | A80-HBF3  | 61463622664 |
| B52                                | 3/8 x 3/4    | 1/8           | 45,370    | 5/25           | A120-HBF3 | 61463620242 |
| B121                               | 1/2" Ball    | 1/8           | 45,370    | 5/25           | A80-HBF3  | 61463622657 |
| W163                               | 1/4 x 1/2    | 1/8           | 60,000    | 5/25           | A80-HBF3  | 61463622655 |
|                                    |              |               | 60,000    | 5/25           | A120-HBF3 | 61463622656 |
| W176                               | 3/8 x 1/2    | 1/8           | 45,370    | 5/25           | A80-HBF3  | 61463622654 |
| W185                               | 1/2 x 1/2    | 1/8           | 34,500    | 5/25           | A80-HBF3  | 61463622649 |
| W187                               | 1/2 x 1      | 1/8           | 20,620    | 5/25           | A80-HBF3  | 61463622651 |
| W220                               | 1 x 1        | 1/4           | 25,500    | 5/25           | A80-HBF3  | 61463622646 |

† SPINDLE LENGTH IS 1-1/2"

\* MAXIMUM OPERATING SPEED BASED ON 1/2" OVERHANG



**A11**



**B52**



**B121**



**W SHAPES**



**CENTER LAP MOUNTED POINTS**  
FOR EXCELL-O CENTER LAP AND SIMILAR MACHINES

**FEATURES**

- Specially formulated wheel treatment (#5 wood resin)
- Larger diameter spindle
- Precise dimensional tolerances

**BENEFITS**

- Adds lubricity to the wheel, minimizing risk of metallurgical damage
- Minimum deflection, rigid support
- Ensure accurate location of part centers

**AVAILABILITY**

|            |                   |
|------------|-------------------|
| TIER:      | <b>BETTER</b>     |
| BRAND:     | Norton            |
| TRADENAME: | <b>CENTER LAP</b> |
| ABRASIVE:  | Aluminum Oxide    |

| SHAPE                            | SIZE (D x T) | SPINDLE DIA. † | MAX. RPM* | MIN./STD. PKG. | SPEC    | PART #      |
|----------------------------------|--------------|----------------|-----------|----------------|---------|-------------|
| <b>Center Lap Mounted Points</b> |              |                |           |                |         |             |
| -                                | 1/2 x 2**    | 1/2            | 65,000    | 5/25           | A80-VVM | 61463621421 |
| -                                | 1 x 2**      | 1/2            | 15,900    | 5/25           | A80-VVM | 61463622926 |

\*\* POINTED 60°  
† SPINDLE LENGTH IS 1-1/4"  
\* MAXIMUM OPERATING SPEED BASED ON 1/2" OVERHANG

**TECHtip**

Dress the center lap mounted points frequently to ensure accurate and smooth center holes.

**!** It is the user's responsibility to refer to and comply with ANSI B7.1



**NORTON NORZON – RESIN BOND MOUNTED POINTS**  
BEST CHOICE FOR FAST STOCK REMOVAL

**FEATURES**

- NZ (NorZon) zirconia alumina self-sharpening abrasive and durable organic bond

**BENEFITS**

- 2X faster stock removal than competitive aluminum oxide products
- Last 4X longer



VENDIBLE

**NORTON CHARGER – RESIN BOND MOUNTED POINTS**  
BETTER CHOICE FOR FAST STOCK REMOVAL AND LONG LIFE

**FEATURES**

- Zirconia alumina/aluminum oxide abrasive blend
- Specially formulated organic bond
- NEW! Charger mounted point pre-packed in small packages

**BENEFITS**

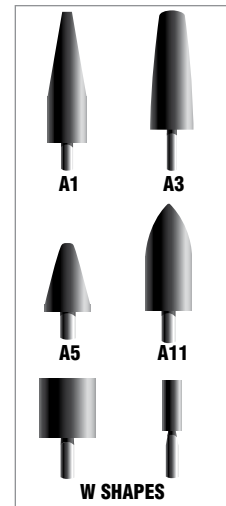
- 35% faster cut rate than standard aluminum oxide
- An aggressive, free cut
- More parts cleaned in less time to substantially increase productivity
- 2X greater life than ordinary aluminum oxide
- Reduces vibration and wheel chatter
- Ideal for vending machines, pegboards, small jobs, and carrying to job site

**AVAILABILITY**

|            |                  |                                 |
|------------|------------------|---------------------------------|
| TIER:      | <b>BEST</b>      | <b>BETTER</b>                   |
| BRAND:     | Norton           | Norton                          |
| TRADENAME: | <b>NORZON</b>    | <b>CHARGER</b>                  |
| ABRASIVE:  | Zirconia Alumina | Zirconia Alumina/Aluminum Oxide |

| SHAPE                            | SIZE (D x T) | SPINDLE DIA. † | MAX. RPM* | MIN./STD. PKG. | SPEC       | PART #      | SPEC    | PART #      |
|----------------------------------|--------------|----------------|-----------|----------------|------------|-------------|---------|-------------|
| <b>Resin Bond Mounted Points</b> |              |                |           |                |            |             |         |             |
| A1                               | 3/4 x 2-1/2  | 1/4            | 19,800    | 5/25           | NZ24-UBXR1 | 61463616457 | Charger | 61463616458 |
|                                  |              |                | 19,800    | 4              | ✓          |             | Charger | 66253325922 |
| A3                               | 1 x 2-3/4    | 1/4            | 16,100    | 5/25           | NZ24-UBXR1 | 61463616459 | Charger | 61463616460 |
|                                  |              |                | 16,100    | 2              | ✓          |             | Charger | 66253325924 |
| A5                               | 3/4 x 1-1/8  | 1/4            | 45,000    | 5/25           |            |             | Charger | 61463616462 |
|                                  |              |                | 45,000    | 5              | ✓          |             | Charger | 66253325926 |
| A11                              | 7/8 x 2      | 1/4            | 19,860    | 5/25           | NZ24-UBXR1 | 61463616463 | Charger | 61463616464 |
| W189                             | 1/2 x 2      | 1/4            | 24,000    | 5/25           | NZ24-UBXR1 | 61463616465 | Charger | 61463616466 |
|                                  |              |                | 24,000    | 5              | ✓          |             | Charger | 66253325928 |
| W197                             | 5/8 x 2      | 1/4            | 21,000    | 5/25           | NZ24-UBXR1 | 61463616467 |         |             |
| W207                             | 3/4 x 1-1/2  | 1/4            | 24,000    | 5/25           |            |             | Charger | 61463616470 |
| W208                             | 3/4 x 2      | 1/4            | 18,750    | 5/25           | NZ24-UBXR1 | 61463616471 | Charger | 61463616472 |
| W220                             | 1 x 1        | 1/4            | 25,500    | 5/25           | NZ24-UBXR1 | 61463617520 | Charger | 61463617521 |
|                                  |              |                | 25,500    | 5              | ✓          |             | Charger | 66253325930 |
| W221                             | 1 x 1-1/2    | 1/4            | 19,120    | 5/25           | NZ24-UBXR1 | 61463616473 | Charger | 61463616474 |
| W222                             | 1 x 2        | 1/4            | 15,900    | 5/25           | NZ24-UBXR1 | 61463616475 | Charger | 61463616476 |

† SPINDLE LENGTH IS 1-1/2"  
\* MAXIMUM OPERATING SPEED BASED ON 1/2" OVERHANG  
✓ = VENDIBLE PACKAGE. IDEAL FOR VENDING MACHINES AND SMALL JOBS. MIN. PKG. QTY = NUMBER OF MOUNTED POINTS PER VENDIBLE PACK. ORDER IN MULTIPLES OF MIN QTY.





**NORTON QUANTUM – VITRIFIED BOND MOUNTED POINTS**

BEST CHOICE FOR HIGH VOLUME OPERATIONS

**FEATURES**

- Unique, engineered ceramic grain shape and chemistry with proven bond technology
- Oil and Gas 36 grit mounted points

**BENEFITS**

- Ideal for high-volume foundry operations – grinding Inconel and similar alloy turbine blade components
- Minimal loading and heat build-up
- 33% + longer life versus competitive ceramic products
- 30% + higher metal removal rates
- Versatile, optimized for all low-, medium- and high-force applications
- Exceptional productivity and life
- Specifically engineered to efficiently grind the carbide matrix material of oilfield drill heads



**NORTON GEMINI – VITRIFIED BOND MOUNTED POINTS**

GOOD VALUE FOR GENERAL PURPOSE, SMALL JOB SHOP APPLICATIONS

**FEATURES**

- 38A abrasive
- Diverse shapes and sizes

**BENEFITS**

- Cool cutting, less burn
- Ideal when initial price is the main purchasing consideration

AVAILABILITY

|            |                 |               |
|------------|-----------------|---------------|
| TIER:      | <b>BEST</b>     | <b>GOOD</b>   |
| BRAND:     | Norton          | Norton        |
| TRADENAME: | <b>QUANTUM</b>  | <b>GEMINI</b> |
| ABRASIVE:  | Ceramic Alumina | 38A           |

| SHAPE   | SIZE (D x T)  | SPINDLE DIA.† | MAX. RPM* | MIN./STD. PKG. | SPEC         | PART #      | SPEC    | PART #      |
|---|---------------|---------------|-----------|----------------|--------------|-------------|---------|-------------|
| <b>Vitrified Bond Mounted Points – A Shapes</b> |               |               |           |                |              |             |         |             |
| A1  | 3/4 x 2-1/2   | 1/4           | 19,800    | 25/250         | Oil & Gas 36 | 61463686139 |         |             |
| A1  | 3/4 x 2-1/2   | 1/4           | 19,800    | 5/25           | 3NQ80        | 69083149139 | 38A36-T | 61463624374 |
| A1  | 3/4 x 2-1/2   | 1/4           | 19,800    | 5/25           |              |             | 38A60-P | 61463624375 |
| A3  | 1 x 2-3/4     | 1/4           | 16,100    | 25/250         | Oil & Gas 36 | 61463686138 |         |             |
| A3  | 1 x 2-3/4     | 1/4           | 16,100    | 5/25           | 3NQ80        | 69083160166 | 38A36-T | 61463624377 |
| A3  | 1 x 2-3/4     | 1/4           | 16,100    | 5/25           |              |             | 38A60-P | 61463624378 |
| A4  | 1-1/4 x 1-1/4 | 1/4           | 30,560    | 5/25           |              |             | 38A60-P | 61463624380 |
| A5  | 3/4 x 1-1/8   | 1/4           | 45,000    | 5/25           | 3NQ80        | 69083149140 | 38A36-T | 61463624381 |
| A5  | 3/4 x 1-1/8   | 1/4           | 45,000    | 5/25           |              |             | 38A60-P | 61463624382 |
| A11   | 7/8 x 2       | 1/4           | 19,860    | 5/25           | 3NQ80        | 69083149141 | 38A36-T | 61463624384 |
| A11   | 7/8 x 2       | 1/4           | 19,860    | 5/25           |              |             | 38A60-P | 61463624385 |
| A12   | 11/16 x 1-1/4 | 1/4           | 48,000    | 5/25           | 3NQ60        | 61463677679 | 38A60-P | 61463624388 |
| A13   | 1-1/8 x 1-1/8 | 1/4           | 33,950    | 5/25           |              |             | 38A60-P | 61463624389 |
| A14   | 11/16 x 7/8   | 1/4           | 55,560    | 5/25           |              |             | 38A60-P | 61463624390 |
| A15   | 1/4 x 1-1/16  | 1/4           | 72,750    | 5/25           |              |             | 38A60-P | 61463624391 |
| A21   | 1 x 1         | 1/4           | 34,500    | 5/25           | 3NQ80        | 69083149144 | 38A60-P | 61463624392 |
| A23   | 3/4 x 1       | 1/4           | 39,370    | 5/25           | 3NQ80        | 69083149143 | 38A60-P | 61463624394 |
| A24   | 1/4 x 3/4     | 1/4           | 76,500    | 5/25           |              |             | 38A60-P | 61463624395 |
| A25   | 1" Ball       | 1/4           | 35,620    | 5/25           | 3NQ80        | 61463677680 | 38A60-P | 61463624396 |
| A26   | 5/8" Ball     | 1/4           | 61,120    | 5/25           | 3NQ80        | 69083149145 | 38A60-P | 61463624397 |
| A31   | 1-3/8 x 1     | 1/4           | 27,780    | 5/25           |              |             | 38A60-P | 61463624399 |
| A34   | 1-1/2 x 3/8   | 1/4           | 25,470    | 5/25           |              |             | 38A60-P | 61463624402 |
| A36   | 1-5/8 x 3/8   | 1/4           | 23,520    | 25/250         | Oil & Gas 36 | 66253145562 |         |             |
| A36   | 1-5/8 x 3/8   | 1/4           | 23,520    | 5/25           | 3NQ80        | 69083149146 | 38A60-P | 61463624404 |
| A37   | 1-1/4 x 1/4   | 1/4           | 30,560    | 5/25           |              |             | 38A60-P | 61463624405 |
| A38   | 1 x 1         | 1/4           | 34,500    | 5/25           | 3NQ80        | 61463677682 | 38A60-P | 61463624406 |
| A39   | 3/4 x 3/4     | 1/4           | 47,250    | 5/25           | 3NQ80        | 69083149147 | 38A60-P | 61463624407 |
| A40   | 3/4" Ball     | 1/4           | 47,250    | 5/25           |              |             | 38A60-P | 61463624408 |

† STANDARD SPINDLE SIZE IS 1/4" X 1-1/2"  
\* MAXIMUM OPERATING SPEED BASED ON 1/2" OVERHANG



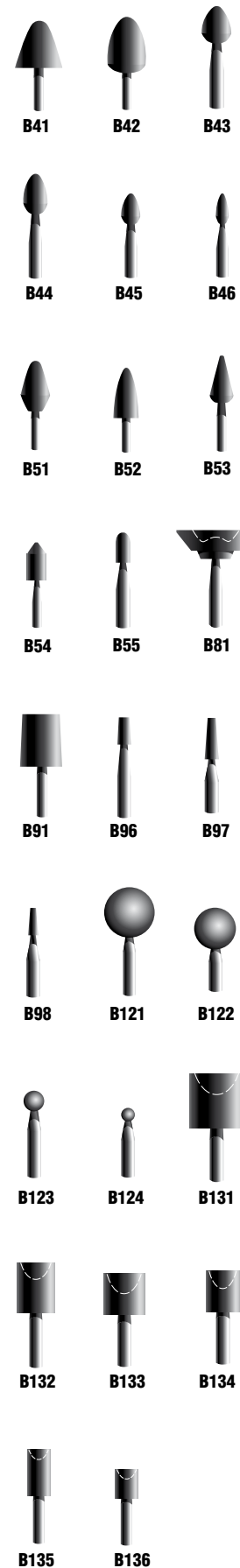


## AVAILABILITY

|            |                 |               |
|------------|-----------------|---------------|
| TIER:      | <b>BEST</b>     | <b>GOOD</b>   |
| BRAND:     | Norton          | Norton        |
| TRADENAME: | <b>QUANTUM</b>  | <b>GEMINI</b> |
| ABRASIVE:  | Ceramic Alumina | 38A           |

| SHAPE   | SIZE (D x T) | SPINDLE DIA. † | MAX. RPM* | MIN./STD. PKG. | SPEC  | PART #      | SPEC    | PART #      |
|---|--------------|----------------|-----------|----------------|-------|-------------|---------|-------------|
| <b>Vitrified Bond Mounted Points – B Shapes</b> |              |                |           |                |       |             |         |             |
| B41   | 5/8 x 5/8    | 1/8            | 33,570    | 5/25           |       |             | 38A60-P | 61463624410 |
| B42   | 1/2 X 3/4    | 1/8            | 33,570    | 5/25           | 3NQ80 | 69083149045 | 38A60-P | 61463624412 |
| B43   | 1/4 x 5/16   | 1/8            | 81,370    | 5/25           |       |             | 38A60-P | 61463624413 |
| B44   | 7/32 x 3/8   | 1/8            | 68,400    | 5/25           |       |             | 38A60-P | 61463624414 |
| B45   | 3/16 x 5/16  | 1/8            | 104,250   | 5/25           |       |             | 38A60-P | 61463624415 |
| B46   | 1/8 x 5/16   | 1/8            | 105,000   | 5/25           |       |             | 38A60-P | 61463624416 |
| B51   | 7/16 x 3/4   | 1/8            | 45,370    | 5/25           |       |             | 38A60-P | 61463624418 |
| B52   | 3/8 x 3/4    | 1/8            | 45,370    | 5/25           | 3NQ80 | 69083149046 | 38A60-P | 61463624420 |
| B52   | 3/8 x 3/4    | 1/4            | 81,000    | 5/25           |       |             | 38A60-P | 61463624419 |
| B52   | 3/8 x 3/4    | 1/8            | 45,370    | 5/25           |       |             | 38A90-Q | 61463624422 |
| B53   | 5/16 x 5/8   | 1/8            | 60,000    | 5/25           |       |             | 38A60-P | 61463624423 |
| B54   | 1/4 x 1/2    | 1/8            | 60,000    | 5/25           |       |             | 38A60-P | 61463624424 |
| B55   | 1/8 x 1/4    | 1/8            | 105,000   | 5/25           |       |             | 38A60-P | 61463624425 |
| B81   | 3/4 x 3/16   | 1/8            | 50,930    | 5/25           |       |             | 38A60-P | 61463624437 |
| B91   | 1/2 x 5/8    | 1/8            | 34,500    | 5/25           |       |             | 38A60-P | 61463624443 |
| B96   | 1/8 x 1/4    | 1/8            | 105,000   | 5/25           |       |             | 38A60-P | 61463624448 |
| B96   | 1/8 x 1/4    | 1/8            | 105,000   | 5/25           |       |             | 38A90-Q | 61463624449 |
| B97   | 1/8 x 3/8    | 1/8            | 105,000   | 5/25           | 3NQ80 | 69083149048 | 38A60-P | 61463624451 |
| B98   | 3/32 x 1/4   | 1/8            | 105,000   | 5/25           |       |             | 38A60-P | 61463624452 |
| B121  | 1/2" Ball    | 1/8            | 45,370    | 5/25           |       |             | 38A60-P | 61463624466 |
| B122  | 3/8" Ball    | 1/8            | 61,650    | 5/25           | 3NQ80 | 69083149050 | 38A60-P | 61463624470 |
| B122  | 3/8" Ball    | 1/8            | 61,650    | 5/25           |       |             | 38A90-Q | 61463624471 |
| B123  | 3/16" Ball   | 1/8            | 104,250   | 5/25           |       |             | 38A60-P | 61463624472 |
| B124  | 1/8" Ball    | 1/8            | 105,000   | 5/25           |       |             | 38A90-Q | 61463624474 |
| B131  | 1/2 x 1/2    | 1/8            | 34,500    | 5/25           | 3NQ80 | 69083149049 | 38A60-P | 61463624475 |
| B132  | 3/8 x 1/2    | 1/8            | 45,370    | 5/25           |       |             | 38A60-P | 61463624479 |
| B133  | 3/8 x 3/8    | 1/8            | 54,000    | 5/25           |       |             | 38A60-P | 61463624481 |
| B134  | 5/16 x 3/8   | 1/8            | 61,650    | 5/25           |       |             | 38A60-P | 61463624482 |
| B135  | 1/4 x 1/2    | 1/8            | 60,000    | 5/25           |       |             | 38A60-P | 61463624484 |
| B136  | 1/4 x 5/16   | 1/8            | 77,250    | 5/25           |       |             | 38A60-P | 61463624485 |

† STANDARD SPINDLE SIZE IS 1/8" OR 1/4" X 1-1/2"  
\* MAXIMUM OPERATING SPEED BASED ON 1/2" OVERHANG







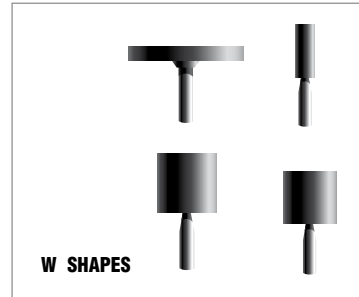
## AVAILABILITY

|            |                 |               |
|------------|-----------------|---------------|
| TIER:      | <b>BEST</b>     | <b>GOOD</b>   |
| BRAND:     | Norton          | Norton        |
| TRADENAME: | <b>QUANTUM</b>  | <b>GEMINI</b> |
| ABRASIVE:  | Ceramic Alumina | 38A           |

| SHAPE   | SIZE (D x T)  | SPINDLE DIA. † | MAX. RPM* | MIN./STD. PKG. | SPEC         | PART #      | SPEC    | PART #      |
|---|---------------|----------------|-----------|----------------|--------------|-------------|---------|-------------|
| <b>Vitrified Bond Mounted Points – W Shapes</b> |               |                |           |                |              |             |         |             |
| W144  | 1/8 x 1/4     | 1/8            | 105,000   | 5/25           |              |             | 38A60-P | 61463624488 |
| W145  | 1/8 x 3/8     | 1/8            | 105,000   | 5/25           |              |             | 38A60-P | 61463624489 |
| W146  | 1/8 x 1/2     | 1/8            | 105,000   | 5/25           |              |             | 38A60-P | 61463624491 |
| W152  | 3/16 x 1/4    | 1/8            | 105,000   | 5/25           |              |             | 38A60-P | 61463624495 |
| W153  | 3/16 x 3/8    | 1/8            | 80,850    | 5/25           |              |             | 38A60-P | 61463624496 |
| W154  | 3/16 x 1/2    | 1/8            | 70,500    | 5/25           | 3NQ80        | 69083149133 | 38A60-P | 61463624497 |
| W160  | 1/4 x 1/4     | 1/8            | 81,370    | 5/25           |              |             | 38A60-P | 61463624501 |
| W162  | 1/4 x 3/8     | 1/8            | 64,800    | 5/25           |              |             | 38A60-P | 61463624503 |
| W163  | 1/4 x 1/2     | 1/8            | 60,000    | 5/25           |              |             | 38A60-P | 61463624504 |
| W164  | 1/4 x 3/4     | 1/8            | 45,900    | 5/25           | 3NQ80        | 69083149135 | 38A60-P | 61463624505 |
| W170  | 5/16 x 1/2    | 1/8            | 52,500    | 5/25           |              |             | 38A60-P | 61463624511 |
| W175  | 3/8 x 3/8     | 1/8            | 54,000    | 5/25           |              |             | 38A60-P | 61463624516 |
| W176  | 3/8 x 1/2     | 1/8            | 45,370    | 5/25           |              |             | 38A60-P | 61463624517 |
| W177  | 3/8 x 3/4     | 1/8            | 33,750    | 5/25           |              |             | 38A60-P | 61463624518 |
| W179  | 3/8 x 1-1/4   | 1/8            | 20,415    | 25/250         | Oil & Gas 36 | 69083154055 |         |             |
| W185  | 1/2 x 1/2     | 1/8            | 34,500    | 5/25           | 3NQ80        | 69083149137 | 38A60-P | 61463624525 |
| W185  | 1/2 x 1/2     | 1/4            | 61,500    | 5/25           |              |             | 38A60-P | 61463624526 |
| W186  | 1/2 X 3/4     | 1/4            | 51,000    | 5/25           |              |             | 38A60-P | 61463624528 |
| W188  | 1/2 x 1-1/2   | 1/4            | 30,370    | 5/25           |              |             | 38A60-P | 61463624530 |
| W189  | 1/2 x 2       | 1/4            | 24,000    | 25/250         | Oil & Gas 36 | 61463686137 |         |             |
| W189  | 1/2 x 2       | 1/4            | 24,000    | 5/25           | 3NQ80        | 61463677683 | 38A60-P | 61463624531 |
| W196  | 5/8 x 1       | 1/4            | 35,250    | 5/25           |              |             | 38A60-P | 61463624539 |
| W200  | 3/4 x 1/8     | 1/8            | 50,930    | 5/25           |              |             | 38A60-P | 61463624543 |
| W200  | 3/4 x 1/8     | 1/8            | 50,930    | 5/25           |              |             | 38A90-Q | 61463624544 |
| W204  | 3/4 x 3/4     | 1/4            | 42,750    | 5/25           |              |             | 38A60-P | 61463624549 |
| W205  | 3/4 x 1       | 1/4            | 34,500    | 5/25           |              |             | 38A60-P | 61463624550 |
| W208  | 3/4 x 2       | 1/4            | 18,750    | 5/25           | 3NQ80        | 61463677684 | 38A60-P | 61463624553 |
| W215  | 1 x 1/8       | 1/8            | 38,200    | 5/25           | 3NQ80        | 69083149138 | 38A60-P | 61463624560 |
| W216  | 1 x 1/4       | 1/4            | 38,200    | 5/25           |              |             | 38A60-P | 61463624562 |
| W218  | 1 x 1/2       | 1/4            | 38,200    | 25/250         | Oil & Gas 36 | 69083154061 |         |             |
| W218  | 1 x 1/2       | 1/4            | 38,200    | 5/25           |              |             | 38A60-P | 61463624564 |
| W220  | 1 x 1         | 1/4            | 25,500    | 5/25           | 3NQ80        | 61463677685 | 38A60-P | 61463624566 |
| W221  | 1 x 1-1/2     | 1/4            | 19,120    | 5/25           |              |             | 38A60-P | 61463624567 |
| W222  | 1 x 2         | 1/4            | 15,900    | 5/25           |              |             | 38A60-P | 61463624569 |
| W230  | 1-1/4 x 1-1/4 | 1/4            | 20,400    | 5/25           |              |             | 38A60-P | 61463624578 |
| W235  | 1-1/2 x 1/4   | 1/4            | 25,470    | 5/25           |              |             | 38A60-P | 61463624583 |
| W236  | 1-1/2 x 1/2   | 1/4            | 25,470    | 5/25           | 3NQ80        | 61463677686 | 38A60-P | 61463624585 |
| W237  | 1-1/2 x 1     | 1/4            | 22,500    | 5/25           |              |             | 38A60-P | 61463624587 |
| W238  | 1-1/2 x 1-1/2 | 1/4            | 15,600    | 5/25           |              |             | 38A60-P | 61463624588 |
| W242  | 2 x 1         | 1/4            | 19,100    | 5/25           | 3NQ80        | 69083149148 | 38A60-P | 61463624592 |

† STANDARD SPINDLE SIZE IS 1/8" OR 1/4" X 1-1/2"

\* MAXIMUM OPERATING SPEED BASED ON 1/2" OVERHANG



W SHAPES

## TECHtip

- For best mounted point performance, always run the mounted point at the maximum allowable speed according to ANSI B7.1. Refer to the speed chart included in each shipment for proper operating speeds.
- Use "A" shapes for medium- to heavy-duty blending.
- Use "B" shapes for light deburring and finishing/polishing.
- Use "W" shapes for offhand and precision grinding of medium to heavy stock.
- Use 36 grit and coarser for rough grinding.
- Use 60 and 90 grits for imparting fine finishes or when grinding on narrow surfaces.



It is the user's responsibility to refer to and comply with ANSI B7.1



## 50-Piece Mounted Point Kits

- Each kit contains 5 each of 10 of our best selling mounted point shapes and specifications
- The 1/4" spindle kits contain "A"-shaped points that are ideal for general maintenance and metalworking applications
- The 1/8" spindle kits contain "B"-shaped points for light deburring machine parts or finishing/polishing dies
- The "W"-shaped points in all of these kits work well for precision grinding of medium to heavy stock

|             |                |               |
|-------------|----------------|---------------|
| TIER:       | <b>BEST</b>    | <b>GOOD</b>   |
| BRAND:      | Norton         | Norton        |
| TRADE NAME: | <b>QUANTUM</b> | <b>GEMINI</b> |
|             | <b>PART #</b>  | <b>PART #</b> |

| SHAPE                     | SPINDLE DIA. † | MIN./STD. PKG. |   | PART #      | PART #      |
|---------------------------|----------------|----------------|---|-------------|-------------|
| <b>Mounted Point Kits</b> |                |                |   |             |             |
| Assorted                  | 1/4            | 1              | 50 piece Premium Norton Quantum 1/4" Spindle Mounted Point Kit contains 5 each of Norton Quantum A1, A5, A11, A21, A23, A26, A36, A39, W242, and A80-HBF3 W220        | 69083147810 |             |
| Assorted                  | 1/8            | 1              | 50 piece Premium Norton Quantum 1/8" Spindle Mounted Point Kit contains 5 each of Norton Quantum B42, B52, B97, B122, B131, W154, W164, W185, W215, and A80-HBF3 W163 | 69083147806 |             |
| Assorted                  | 1/4            | 1              | 50 piece Norton Gemini 1/4" Spindle Mounted Point Kit contains 5 each of 38A60-P A1, A5, A11, A21, A23, A26, A36, A39, W242, and A80-HBF3 W220                        |             | 69083147789 |
| Assorted                  | 1/8            | 1              | 50 piece Norton Gemini 1/8" Spindle Mounted Point Kit contains 5 each of 38A60-P B42, B52, B97, B122, B131, W154, W164, W185, W215, and A80-HBF3 W163                 |             | 69083147669 |

† STANDARD SPINDLE SIZE IS 1/8" OR 1/4" X 1-1/2"



### CATEGORY DEFINITION

Hard silicon carbide rubbing bricks are used for heavy-duty applications such as rubbing floors, cleaning and scouring castings, rubbing down concrete, and removing mold marks.

**APPLICATIONS:** Floor Rubbing Bricks – are used to rub down concrete and remove mold marks. These are designed to fit the chucks of common concrete floor grinding equipment. Reusable wooden wedges anchor the bricks to the equipment chucks.

Plain Hand Rubbing Bricks – are the choice of mechanics and foundry workers for dressing grinding wheels and cleaning or scouring castings.

Fluted Hand Rubbing Bricks – are used by masons and stone workers for rubbing down concrete and removing mold marks. The diagonal flutes provide sharp edges, a clean shearing action, and carry away debris.

Fluted Hand Rubbing Bricks with Handle – make quick work of removing mold marks and rubbing down concrete. The firmly attached handle reduces fatigue and facilitates overhead, wall, and floor work.

**GRIT RANGE:** 6 – 120

**ABRASIVE TYPE:** Silicon Carbide



| SIZE (L x W x H)                                     | QTY./ PKG. | QTY./ CASE | SPEC. | ABRASIVE        | PART #      |
|--|------------|------------|-------|-----------------|-------------|
| <b>Plain Floor Rubbing Bricks with Wooden Wedges</b> |            |            |       |                 |             |
| 4 x 2 x 2  | 1          | 6          | C6-R  | Silicon Carbide | 61463653292 |
|  | 1          | 6          | C10-R | Silicon Carbide | 61463653293 |
|  | 1          | 6          | C24-R | Silicon Carbide | 61463653294 |
|  | 1          | 6          | C80-R | Silicon Carbide | 61463653295 |

| SIZE (L x W x H)     | QTY./ PKG. | QTY./ CASE | SPEC.  | ABRASIVE | PART #      |
|----------------------|------------|------------|--------|----------|-------------|
| <b>Griddle Brick</b> |            |            |        |          |             |
| 4-1/2 x 3 x 2        | 1          | 5          | Medium | Alundum  | 61463687870 |

| SIZE (L x W x H)   | QTY./ PKG. | QTY./ CASE | SPEC.   | ABRASIVE        | PART #       |
|--|------------|------------|---------|-----------------|--------------|
| <b>Floor Rubbing Brick with Center Score</b>   |            |            |         |                 |              |
| 8 x 2 x 2  | 1          | 6          | C120-R* | Silicon Carbide | 61463685296* |
| *8" BRICK HAS A CENTER SCORE TO FACILITATE DIVIDING THE BRICK IN HALF – AN ECONOMICAL ALTERNATIVE TO BUYING TWO 4" BRICKS. |            |            |         |                 |              |

| SIZE (L x W x H)     | QTY./ PKG. | QTY./ CASE | PART #      |  |  |
|----------------------|------------|------------|-------------|--|--|
| <b>Wooden Wedges</b> |            |            |             |  |  |
|                      | 6          | 6          | 61463685297 |  |  |

| SIZE (L x W x H)                 | QTY./ PKG. | QTY./ CASE | SPEC. | ABRASIVE        | PRODUCT # | PART #      |
|----------------------------------|------------|------------|-------|-----------------|-----------|-------------|
| <b>Plain Hand Rubbing Bricks</b> |            |            |       |                 |           |             |
| 8 x 2 x 2                        | 1          | 5          | C24   | Silicon Carbide | BP28      | 61463687830 |

| SIZE (L x W x H)                  | QTY./ PKG. | QTY./ CASE | SPEC. | ABRASIVE        | PRODUCT # | PART #      |
|-----------------------------------|------------|------------|-------|-----------------|-----------|-------------|
| <b>Fluted Hand Rubbing Bricks</b> |            |            |       |                 |           |             |
| 6 x 2 x 2                         | 1          | 5          | C20   | Silicon Carbide | BF26      | 61463687840 |
| 8 x 2 x 2                         | 1          | 5          | C20   | Silicon Carbide | BF28      | 61463687845 |

| SIZE (L x W x H)                              | QTY./ PKG. | QTY./ CASE | SPEC. | ABRASIVE        | PRODUCT # | PART #      |
|---|------------|------------|-------|-----------------|-----------|-------------|
| <b>Fluted Hand Rubbing Bricks with Handle</b> |            |            |       |                 |           |             |
| 6 x 3 x 1                                     | 1          | 5          | C20   | Silicon Carbide | BFH6      | 61463687800 |
| 8 x 3-1/2 x 1-1/2                             | 1          | 5          | C20   | Silicon Carbide | 235       | 61463687795 |



## Retail Packaged Sharpening Products

Our retail-packaged line brings Norton quality to your distributor showroom, vending machine, tool crib, and your tool box. Each stone is specifically designed for a popular sharpening application and packaged to sell or carry to the job site.



### AVAILABILITY

| SIZE (L x W x H)                                | SPEC.                                   | TIER:     |               |
|---|---|-----------|---------------|
|   |   | QTY./CASE | BETTER PART # |
| <b>Axe and Hatchet Sharpener</b>                |   |           |               |
| 3 x 5/8 round                                   | Coarse/Fine Crystolon (Silicon Carbide) | 10        | 07660785316   |
| <b>Pocket Knife Sharpener</b>                   |   |           |               |
| 3 x 7/8 x 3/8                                   | Fine Crystolon (Silicon Carbide)        | 5         | 07660787600   |
| 3 x 7/8 x 3/8 with case                         | Medium India (Aluminum Oxide)           | 5         | 07660787937   |
| 3 x 1-1/2 x 1/2 with case                       | Coarse/Fine India (Aluminum Oxide)      | 5         | 07660787630   |
| <b>Economy Tool &amp; Knife Benchstone</b>      |   |           |               |
| 6 x 2 x 3/4                                     | Coarse/Fine Crystolon (Silicon Carbide) | 5         | 07660787933   |
| 8 x 2 x 3/4                                     | Coarse/Fine India (Aluminum Oxide)      | 10        | 07660787934   |
| 8 x 2 x 1                                       | Coarse/Fine India (Aluminum Oxide)      | 10        | 61463685755   |
| <b>High Quality Tool &amp; Knife Benchstone</b> |   |           |               |
| 6 x 2 x 3/4                                     | Coarse/Fine Crystolon (Silicon Carbide) | 5         | 07660787935   |
| <b>Chisel &amp; Planer Blade Sharpener</b>      |   |           |               |
| 8 x 2 x 3/4                                     | Coarse/Fine India (Aluminum Oxide)      | 10        | 07660787936   |
| <b>Household Knife &amp; Tool Sharpener</b>     |   |           |               |
| 7-1/2   | Fine Crystolon (Silicon Carbide)        | 5         | 07660787939   |
| <b>Farm Tool Sharpener</b>                      |   |           |               |
| 10 x 1-1/4 x 3/4                                | Coarse Crystolon (Silicon Carbide)      | 10        | 07660787730   |
| <b>Lawn &amp; Garden Tool Sharpener</b>         |   |           |               |
| 9-1/2 x 1-3/8 x 1/2                             | Medium Crystolon (Silicon Carbide)      | 10        | 07660787938   |
| <b>Sharpening Stone Oil</b>                     |   |           |               |
| 4-1/2 oz.                                       | Oil                                     | 5         | 07660787940   |
| <b>Sharpening Steel</b>                         |   |           |               |
| 1/2 x 10  | Round file with rubber handle           | 8         | 66253240433   |



### Knife and Scissor Sharpener

The knife and scissor mechanical sharpener is a quick and portable tool for hundreds of sharpening applications.

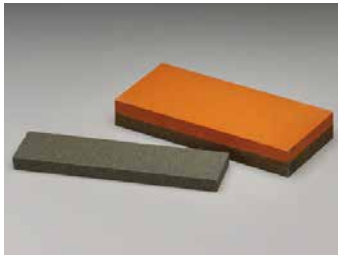
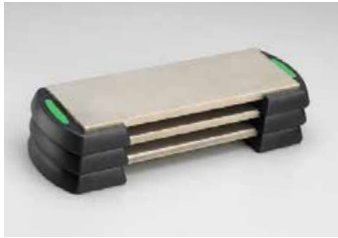
| SPECIFICATION                      | QTY./CASE | PART #      |
|------------------------------------|-----------|-------------|
| <b>Knife and Scissor Sharpener</b> |           |             |
| Carbide                            | 6         | 07660787520 |

## Norton Professional Sharpening Products and Dressing Sticks

See the "Norton Professional Sharpening Products and Dressing Sticks Catalog #200" on [www.nortonstones.com](http://www.nortonstones.com) to view the complete list and descriptions of our many sharpening products.



Bulk Sharpening Products



Stackable Diamond Benchstones

Made in the USA, these benchstones have unique stackable, non-skid rubber feet designed to keep the diamond plate steady while you sharpen, and efficiently stacked for space-saving storage when not in use. The simple grit-size color-coding makes them easy to differentiate: 220 (red), 325 (blue), 600 (green), and 2 sizes: 6" and 8". The flat diamond surface is plated onto a nickel-coated steel bar precision ground to a tolerance of .0001" which provides excellent sharpening performance across entire surface of stone. Faster and 100X the life of regular abrasives, stackable diamond benchstones provide quick, exceptional sharpening.

AVAILABILITY

TIER: **BETTER**  
 BRAND: Norton

| SIZE (L X W X H)                     | SPECIFICATION | QTY./ CASE | PART #      |
|--------------------------------------|---------------|------------|-------------|
| <b>Stackable Diamond Benchstones</b> |               |            |             |
| 6 x 2 x 1/4                          | D220          | 5          | 66253268082 |
|                                      | D325          | 5          | 66253268081 |
|                                      | D600          | 5          | 66253268080 |
| 8 x 2 x 1                            | D220          | 5          | 66253268087 |
|                                      | D325          | 5          | 66253268086 |
|                                      | D600          | 5          | 66253268083 |

6" STONES COME RETAIL PACKAGED

India (Aluminum Oxide) Benchstones

Smooth cutting aluminum oxide abrasive provides a long-lasting cutting edge. Our best product for a fine finish, these stones are the choice of artisans, craftsmen, and mechanics. Ideal for clean deburring, generating keen edges, and quality finishes. Available in single grit and combination grit.

AVAILABILITY

TIER: **BETTER**  
 BRAND: Norton

| SIZE (L X W X H)   | SPECIFICATION                    | QTY./ CASE | PRODUCT # | PART #       |
|--|----------------------------------|------------|-----------|--------------|
| <b>India (Aluminum Oxide) Single Grit Benchstones</b>      |                                  |            |           |              |
| 4 x 1 x 1/4  | Coarse                           | 5          | CB14      | 61463685580  |
|  | Medium                           | 5          | MB14      | 61463685575  |
|  | Fine                             | 5          | FB14      | 61463685570  |
|  | Fine                             | 5 ✓        | FB14-V    | 66253325919  |
| 4 x 1 x 1/2  | Coarse                           | 5          | CB24      | 61463685595  |
|  | Medium                           | 5          | MB24      | 61463685590  |
|  | Fine                             | 5          | FB24      | 61463685585  |
| 5 x 2 x 5/8  | Medium                           | 5          | MB35      | 61463685605  |
|  | Fine                             | 5          | FB35      | 61463685600  |
| 6 x 2 x 1  | Coarse                           | 5          | CB6       | 61463685620  |
|  | Medium                           | 5          | MB6       | 61463685615  |
|  | Fine                             | 5          | FB6       | 61463685610  |
| 8 x 2 x 1  | Coarse                           | 5          | CB8       | 61463685635  |
|  | Medium                           | 5          | MB8       | 61463685630  |
|  | Fine                             | 5          | FB8       | 61463685625  |
| 8 x 3 x 1/2  | Coarse                           | 5 ✓        | CB83-V    | 61463654462* |
|  | Medium                           | 5 ✓        | MB83-V    | 61463654461* |
|  | Fine                             | 5 ✓        | FB83-V    | 61463654460* |
| 11-1/2 x 2-1/2 x 1/2                                       | Coarse                           | 1          | IM6       | 61463654214# |
|  | Medium                           | 1          | IM9       | 61463685970# |
| <b>India (Aluminum Oxide) Combination Grit Benchstones</b> |                                  |            |           |              |
| 4 x 1 Round  | Coarse/Fine                      | 5          | IB64      | 61463685545  |
| 4 x 1-3/4 x 5/8  | Coarse/Fine                      | 5          | IB134     | 61463685550  |
| 5 x 2 x 3/4  | Coarse/Fine                      | 5          | IB45      | 61463685555  |
| 6 x 2 x 1  | Coarse/Fine with Anniversary Box | 5          | IB6       | 61463685560  |
| 8 x 2 x 1  | Coarse/Fine with Anniversary Box | 5          | IB8       | 61463685565  |
| 11-1/2 x 2-1/2 x 1   | Coarse/Fine                      | 2          | IM2       | 61463685851  |

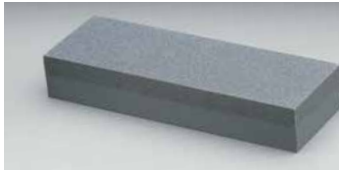
✓ = VENDIBLE PACKAGE. IDEAL FOR VENDING MACHINES, SMALL JOBS, AND CARRYING TO JOB SITE. PRE-PACKED IN STURDY BOXES OF 5 PER PACK. ORDER BY TOTAL NUMBER OF STONES NEEDED; NOT BY QUANTITY OF PACKS.

\* MAY BE USED AS REPLACEMENT STONE FOR IM-83 SHARPENING SYSTEM.

# MAY BE USED AS REPLACEMENT STONE FOR IM-313 SHARPENING STONE SYSTEM.



Bulk Sharpening Products CONTINUED



**Crystolon (Silicon Carbide) Benchstones**

Premium silicon carbide abrasive produces a fast cutting stone, ideal for general sharpening of cutting tools. Fast stock removal for quick edge shaping with minimal loading when the speed of sharpening is more important than the fineness of the cutting edges.

AVAILABILITY

TIER: **BETTER**  
BRAND: Norton

| SIZE (L X W X H)  | SPECIFICATION | QTY./ CASE | PRODUCT # | PART #      |
|---|---------------|------------|-----------|-------------|
| <b>Crystolon (Silicon Carbide) Combination Grit Benchstones</b> |               |            |           |             |
| 4 x 1 Round   | Coarse/Fine   | 5          | JB64      | 61463685435 |
| 4 x 1-3/4 x 5/8   | Coarse/Fine   | 5          | JB134     | 61463685440 |
| 5 x 2 x 3/4   | Coarse/Fine   | 5          | JB45      | 61463685445 |
| 6 x 2 x 1   | Coarse/Fine   | 5          | JB6       | 61463685450 |
| 8 x 2 x 1   | Coarse/Fine   | 5          | JB8       | 61463685455 |
| 11-1/2 x 2-1/2 x 1  | Coarse/Fine   | 2          | JUM3      | 61463685840 |
| 12 x 2-1/2 x 1-1/2  | Coarse/Fine   | 2          | JUM4      | 61463685855 |



**Arkansas Benchstones**

Arkansas benchstones are made of natural premium Novaculite quarried in Arkansas. Used for finer honing after India stone, Arkansas benchstones create the sharpest possible razor edges and near mirror finishes. White in color; they may contain shades of red, yellow and gray.

AVAILABILITY

TIER: **BETTER**  
BRAND: Norton

| SIZE (L X W X H)                        | SPECIFICATION            | QTY./ CASE | PRODUCT # | PART #       |
|---|--------------------------|------------|-----------|--------------|
| <b>Arkansas Single Grit Benchstones</b> |                          |            |           |              |
| 4 x 2 x 3/4-1                           | Extra Fine Soft Arkansas | 5          | SB4       | 61463685670  |
| 6 x 2 x 3/4-1                           | Extra Fine Soft Arkansas | 5          | SB6       | 61463685675  |
| 8 x 2 x 3/4-1                           | Extra Fine Soft Arkansas | 5          | SB8       | 61463685680  |
| 4 x 2 x 3/4-1                           | Ultra Fine Hard Arkansas | 5          | HB4       | 61463685655  |
| 6 x 2 x 3/4-1                           | Ultra Fine Hard Arkansas | 5          | HB6       | 61463685660  |
| 8 x 2 x 3/4-1                           | Ultra Fine Hard Arkansas | 5          | HB8       | 61463685665  |
| 8 x 3 x 1/2                             | Ultra Fine Hard Arkansas | 5 ✓        | HTB83-V   | 61463654464* |

✓ = VENDIBLE PACKAGE. IDEAL FOR VENDING MACHINES, SMALL JOBS, AND CARRYING TO JOB SITE. PRE-PACKED IN STURDY BOXES OF 5 PER PACK. ORDER BY TOTAL NUMBER OF STONES NEEDED; NOT BY QUANTITY OF PACKS.

\* MAY BE USED AS REPLACEMENT STONE FOR IM-83 SHARPENING SYSTEM.



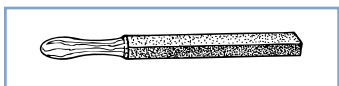
**Sharpening Stone Oil**

Norton Oil is a highly refined lubricating oil specially formulated for sharpening stone use. It will not load or “gum-up” sharpening stones, and is equally ideal for all lubricating jobs. Meets U.S. Pharmacopoeia standards for mineral oil purity, and may be used around food preparation operations.

AVAILABILITY

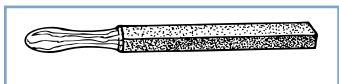
TIER: **BETTER**  
BRAND: Norton

| SIZE (L X W X H)  | SPECIFICATION | QTY./ CASE | PRODUCT # | PART #      |
|-------------------|---------------|------------|-----------|-------------|
| <b>Norton Oil</b> |               |            |           |             |
| 4-1/2 oz.         | Oil           | 20         | XB1       | 61463687760 |
| 1 Pint            | Oil           | 20         | XB5       | 61463687770 |
| 1 Quart           | Oil           | 5          | XB2       | 61463687775 |



**Tradesmen's Stone and Utility File**

Tradesmen's Utility Stones are used for sharpening trimming knives and as abrasive files in many different industries. Both have wooden handles.



The Norton Utility File is a long wedge-shaped stone with four flat sides designed for sharpening coarse cutting edges on cutting implements and edged garden tools. Wooden handle makes it easy to use. It will out-last out-sharpen metal files.

AVAILABILITY

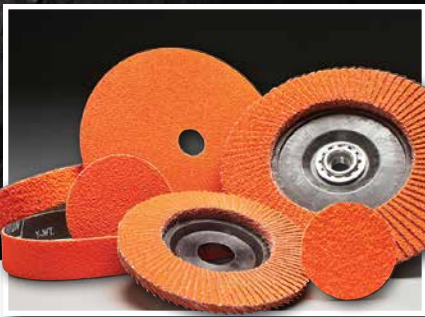
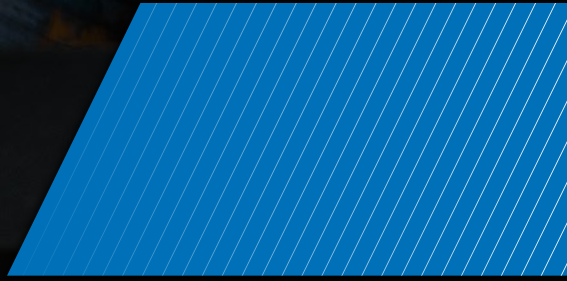
TIER: **BETTER**  
BRAND: Norton

| SIZE (L X W X H)  | SPECIFICATION | QTY./ CASE | PRODUCT # | PART #      |
|---|---------------|------------|-----------|-------------|
| <b>Tradesmen's Utility Stones – Crystolon (Silicon Carbide)</b> |               |            |           |             |
| 14-3/4 including handle   | Coarse/Fine   | 10         | JT930     | 61463687675 |
| 14-3/4 including handle   | Medium        | 10         | JT920     | 61463687670 |
| <b>Utility File – Crystolon (Silicon Carbide)</b>               |               |            |           |             |
| 14 including handle   | Coarse        | 10         | JD2       | 61463687750 |



# 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 unique 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 the toughest jobs without the added operator pressure or heavy tool.



## **Performance On Fire**

Infused with a proprietary NorZon grain upgrade, Norton BlueFire products enhance performance in faster removal rate, longer product life and smoother finish. True Blue, Reinvented.



## **Power Up Affordable Versatility**

The proprietary grain technology and improved resin bond in our Norton Neon products deliver up to 3X the life and cut rate at an economical initial price.



### CATEGORY DEFINITION

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

|                         |   |
|-------------------------|---|
| <b>APPLICATIONS:</b>    | Stock removal, edge chamfering, weld blending, deburring/deflashing, rust removal, cleaning and finishing |
| <b>SIZE RANGE:</b>      | 4" x 5/8" hole, 4-1/2" – 9-1/8" x 7/8" hole   |
| <b>GRIT RANGE:</b>      | 16 – 120  |
| <b>ABRASIVE GRAIN:</b>  | Ceramic Alumina, Zirconia Alumina, and Aluminum Oxide   |
| <b>PRODUCT OPTIONS:</b> | Speed-Change hubs (5/8-11"), AVOS technology  |
| <b>ACCESSORIES:</b>     | Air-cooled, smooth-faced, and AVOS back-up pads   |

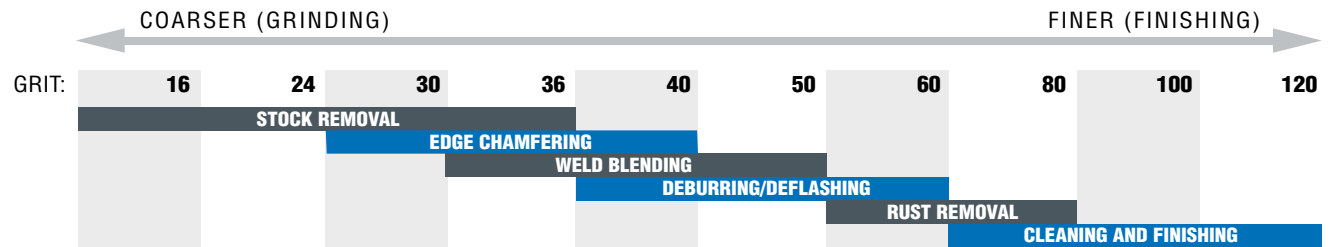


### MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE

|  | <b>BEST</b><br>Highest Productivity – Lowest Total Cost | <b>BETTER</b><br>Excellent Blend of Performance & Price | <b>GOOD</b><br>Consistent Performance – Low Initial Price |
|--|---|---|---|
| Stainless Steel / Titanium / Super Alloys* | Norton Blaze F980                                       | Norton BlueFire F826P                                   | Norton Neon F726  |
| Mild Carbon Steel / Welds                  | Norton Red Heat F981                                    | Norton BlueFire F826P                                   | Norton Neon F726  |
| Ferrous Metals / Cast Iron                 | Norton Red Heat F981                                    | Norton BlueFire F826P                                   | Norton Neon F726  |
| Brass / Bronze / Aluminum                  | –   | –   | Norton Neon F726  |

\*NICKEL/COBALT BASED – HASTELLOY, INCONEL, WASPALLOY

### APPLICATION/GRIT RECOMMENDATION GUIDE



### CROSS REFERENCE GUIDE

|                  | <b>TOTAL PERFORMANCE</b> |               | <b>INITIAL PRICE</b> |              |
|------------------|--------------------------|---------------|----------------------|--------------|
|                  | <b>BEST</b>              |               | <b>BETTER</b>        | <b>GOOD</b>  |
| <b>NORTON</b>    | Blaze F980               | Red Heat F981 | BlueFire F826P       | Neon F726    |
| <b>3M</b>        | 985C, 982C               | 988C, 983C    | 785C                 | 501C         |
| <b>Camel</b>     | –                        | –             | Ceramic Blend        | –            |
| <b>Flexovit</b>  | –                        | –             | Flexon CG            | Flexon       |
| <b>GemTex</b>    | –                        | –             | X, PMD               | –            |
| <b>Hermes</b>    | CB844X                   | CB444X/J      | –                    | RB414X/J     |
| <b>Klingspor</b> | CS661                    | –             | –                    | CS570        |
| <b>Metabo</b>    | –                        | –             | –                    | Z/A          |
| <b>Mirka</b>     | –                        | –             | –                    | Blue A/Z     |
| <b>Pearl</b>     | –                        | –             | –                    | Gold A/Z     |
| <b>Pferd</b>     | CO Cool                  | CO            | CO-PMD               | Z Cool       |
| <b>Sait</b>      | 9S                       | 8S            | –                    | 3Z           |
| <b>SIA</b>       | –                        | 4515          | –                    | 4815         |
| <b>Standard</b>  | –                        | –             | Ceramic              | –            |
| <b>VSM</b>       | XF870                    | XF750         | ZF844                | ZF745        |
| <b>Walter</b>    | –                        | –             | –                    | Topcut, Inox |
| <b>Weiler</b>    | –                        | –             | –                    | Zirconium    |





FEATURED PRODUCTS



**NORTON BLAZE F980**

BEST CHOICE FOR STAINLESS STEEL, TITANIUM, AND SUPER ALLOYS

FEATURES

- Micro-fracturing ceramic alumina grain
- 100% ceramic alumina grain
- Self-lubricating, advanced supersize treatment
- Improved resin bond system
- Extra heavy-duty backing on 50 grit and coarser
- Foil-packed availability

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
- Improved humidity and prevention against curl
- Fully recyclable for reduced landfill waste



NEW

**NORTON RED HEAT F981 AND F981S**

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



VENDIBLE

**NORTON BLUEFIRE F826P**

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

FEATURES

- High-performance blend of ceramic alumina and zirconia alumina abrasive
- NEW! Vendible 10-disc package

BENEFITS

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



NEW

VENDIBLE

**NORTON NEON F726**

GOOD CHOICE FOR CARBON STEEL AND ALUMINUM APPLICATIONS

FEATURES

- Proprietary blend of aluminum oxide/ceramic grain
- Upgrade from former Norton Metalite F226 discs at a low initial price
- NEW! Vendible 10-disc package

BENEFITS

- Delivers up to 3X the life and cut rate at an economical price point
- Improved resin bond system and heavy-duty fiber backing extend grain adhesion
- Ideal for vending machines, small jobs, or carrying to a job site



NEW

**NORTON METAL F240**

GOOD STARTING SPECIFICATION FOR ALL METALS

FEATURES

- High-performance aluminum oxide

BENEFITS

- Low initial price with consistent performance



AVAILABILITY

|            |                   |                              |                              |  |
|------------|-------------------|------------------------------|------------------------------|--|
| TIER:      | <b>BEST</b>       | <b>BEST</b> <span>NEW</span> | <b>BEST</b> <span>NEW</span> | <b>BETTER</b> <span>VENDIBLE</span>        |
| BRAND:     | Norton            | Norton                       | Norton                       | Norton                                     |
| TRADENAME: | <b>BLAZE F980</b> | <b>RED HEAT F981</b>         | <b>RED HEAT F981S</b>        | <b>BLUEFIRE F826P</b>                      |
| ABRASIVE:  | Ceramic Alumina   | Ceramic Alumina              | Ceramic Alumina              | Ceramic Alumina/<br>Zirconia Alumina Blend |
| OTHER:     | Supersize         |                              | Supersize                    |  |

| SIZE (D x H) | GRIT    | STD. PKG. | PART #      | PART #      | PART #      | STD. PKG.   | PART #      |
|--------------|---------|-----------|-------------|-------------|-------------|-------------|-------------|
| 4-1/2 x 7/8  | 24      | 25        | 69957398000 | 77696008400 | 77696008462 | 25          | 66261138457 |
|              | 36      | 25        | 69957398001 | 77696008401 | 77696008465 | 25          | 66261138456 |
|              | 36      |           |             |             |             | 50 <b>V</b> | 66623377276 |
|              | 50      | 25        | 69957398002 | 77696008402 | 77696008466 | 25          | 66261138454 |
|              | 50      |           |             |             |             | 50 <b>V</b> | 66623377277 |
|              | 60      | 25        | 69957398003 | 77696008403 | 77696008467 | 25          | 66261138453 |
|              | 60      |           |             |             |             | 50 <b>V</b> | 66623377278 |
|              | 80      | 25        | 69957398004 | 77696008404 | 77696008470 | 25          | 66261138452 |
|              | 80      |           |             |             |             | 50 <b>V</b> | 66623377279 |
|              | 100     | 25        |             | 77696008405 |             |             |             |
|              | 120     | 25        | 66254425332 | 77696008406 |             |             |             |
|              | 5 x 7/8 | 24        | 25          | 69957398005 | 77696008407 | 77696008480 | 25          |
| 24           |         | 50#       | 66254464822 |             |             |             |             |
| 36           |         | 25        | 69957398006 | 77696008412 | 77696008481 | 25          | 66261138562 |
| 36           |         | 50#       | 66254464821 |             |             | 50 <b>V</b> | 66623377283 |
| 50           |         | 25        | 69957398007 | 77696008413 | 77696008482 | 50 <b>V</b> | 66623377284 |
| 50           |         | 25        |             |             |             | 25          | 66261138561 |
| 50           |         | 50#       | 66254464820 |             |             |             |             |
| 60           |         | 25        | 69957398008 | 77696008414 | 77696008483 | 25          | 66261138601 |
| 60           |         |           |             |             |             | 50 <b>V</b> | 66623377285 |
| 80           |         |           |             |             |             | 50 <b>V</b> | 66623377286 |
| 80           |         | 25        | 69957398009 | 77696008422 | 77696008484 | 25          | 66261138600 |
| 7 x 7/8      |         | 24        | 25          | 66254409084 |             |             |             |
|              | 24      | 25        | 69957398010 | 77696010018 | 77696010006 | 25          | 66261138594 |
|              | 36      |           |             |             |             | 50 <b>V</b> | 66623377287 |
|              | 36      | 25        | 69957398011 | 77696008429 | 77696010007 | 25          | 66261138593 |
|              | 50      |           |             |             |             | 50 <b>V</b> | 66623377289 |
|              | 50      | 25        | 69957398012 | 77696008430 | 77696010008 | 25          | 66261138592 |
|              | 60      |           |             |             |             | 50 <b>V</b> | 66623377290 |
|              | 60      | 25        | 69957398013 | 77696008431 | 77696010009 | 25          | 66261138591 |
|              | 80      |           |             |             |             | 50 <b>V</b> | 66623377291 |
|              | 80      | 25        | 69957398014 | 77696008432 | 77696010011 | 25          | 66261138590 |
|              | 100     | 25        |             | 77696008433 |             |             |             |
|              | 120     | 25        | 66254411528 | 77696008436 |             |             |             |
| 9-1/8 x 7/8  | 24      | 25        | 69957398015 | 77696008437 | 77696010012 | 25          | 66261138584 |
|              | 36      | 25        | 69957398016 | 77696008440 | 77696010013 | 25          | 66261138583 |
|              | 50      | 25        | 69957398017 | 77696008444 | 77696010017 | 25          | 66261138582 |
|              | 60      | 25        |             | 77696008449 |             |             |             |
|              | 80      | 25        |             | 77696008452 |             |             |             |
|              | 100     | 25        |             | 77696008453 |             |             |             |

NOTE: FIBER DISCS MUST BE USED WITH BACK-UP PADS SHOWN ON THE LAST PAGE OF THIS SECTION.

# SHRINK-WRAP FOIL PACK: 10 DISCS PER PACK, 5 PACKS PER STANDARD PACKAGE.

**V** = VENDIBLE PACKAGE. IDEAL FOR VENDING MACHINES & SMALL JOBS . 10 DISC PACKAGE, 5 PACKS PER CARTON. ORDER IN MULTIPLES OF 50.

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



**NORTON NEON**

New aluminum oxide and ceramic blend provides the best starting specification (and performance) when initial price is the primary purchasing consideration.



## AVAILABILITY



TIER: **GOOD**  
 BRAND: Norton  
 TRADENAME: **NEON F726**  
 ABRASIVE: Aluminum Oxide/  
 Ceramic Alumina Blend

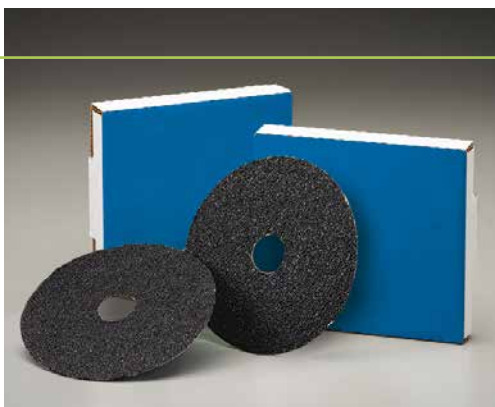


TIER: **GOOD**  
 BRAND: Norton  
 TRADENAME: **METAL F240**  
 ABRASIVE: Aluminum Oxide

| SIZE (D x H) | GRIT | STD. PKG.   | PART #      | STD. PKG.   | PART #      |
|--------------|------|-------------|-------------|-------------|-------------|
| 4 x 5/8      | 24   | 50 ✓        | 66623395000 | 25          | 5539510595  |
|              | 36   | 50 ✓        | 66623395001 | 25          | 5539510594  |
|              | 50   | 50 ✓        | 66623395002 | 25          | 5539510593  |
|              | 60   | 50 ✓        | 66623395003 | 25          | 5539510592  |
|              | 80   | 50 ✓        | 66623395004 | 25          | 5539510591  |
|              | 100  | 50 ✓        | 66623395005 |             |             |
|              | 120  | 50 ✓        | 66623395006 |             |             |
| 4-1/2 x 7/8  | 24   | 50 ✓        | 66623395007 | 25          | 66623353309 |
|              | 36   | 50 ✓        | 66623395008 | 25          | 66623353306 |
|              | 50   | 50 ✓        | 66623395009 | 25          | 66623353310 |
|              | 60   | 50 ✓        | 66623395010 | 25          | 66623353311 |
|              | 80   | 50 ✓        | 66623395011 | 25          | 66623353312 |
|              | 100  | 50 ✓        | 66623395012 | 25          | 66623353313 |
|              | 120  | 50 ✓        | 66623395013 | 25          | 66623353314 |
| 5 x 7/8      | 16   |             |             | 25          | 05539510684 |
|              | 24   | 50 ✓        | 66623395016 | 25          | 66623357276 |
|              | 36   | 50 ✓        | 66623395017 | 25          | 66623357277 |
|              | 50   | 50 ✓        | 66623395018 | 25          | 66623357278 |
|              | 60   | 50 ✓        | 66623395019 | 25          | 66623357279 |
|              | 80   | 50 ✓        | 66623395020 | 25          | 66623357280 |
|              | 100  | 50 ✓        | 66623395021 | 25          | 66623357281 |
| 120          | 50 ✓ | 66623395022 | 25          | 66623357282 |             |
| 7 x 7/8      | 16   |             |             | 25          | 05539510693 |
|              | 24   | 50 ✓        | 66623395029 | 25          | 66623357283 |
|              | 36   | 50 ✓        | 66623395030 | 25          | 66623357284 |
|              | 50   | 50 ✓        | 66623395031 | 25          | 66623357285 |
|              | 60   | 50 ✓        | 66623395032 | 25          | 66623357286 |
|              | 80   | 50 ✓        | 66623395033 | 25          | 66623357287 |
|              | 100  | 50 ✓        | 66623395034 | 25          | 66623357288 |
| 120          | 50 ✓ | 66623395035 | 25          | 66623357289 |             |
| 9-1/8 x 7/8  | 24   | 50 ✓        | 66623395036 | 25          | 05539510702 |
|              | 36   | 50 ✓        | 66623395037 | 25          | 05539510701 |
|              | 50   | 50 ✓        | 66623395038 | 25          | 05539510700 |
|              | 60   | 50 ✓        | 66623395039 | 25          | 05539510699 |
|              | 80   | 50 ✓        | 66623395040 |             |             |
|              | 100  | 50 ✓        | 66623395041 |             |             |
|              | 120  | 50 ✓        | 66623395042 | 25          | 05539510695 |

NOTE: FIBER DISCS MUST BE USED WITH BACK-UP PADS SHOWN ON THE LAST PAGE OF THIS SECTION.

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## Corner Store Convenience – Right on the Floor

### Metal Fabrication Vending 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

Industry's best selection of vendible abrasive solutions



### 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.

#### AVAILABILITY

|            |                   |                      |                       |                                 |
|------------|-------------------|----------------------|-----------------------|---------------------------------|
| TIER:      | <b>BEST</b>       | <b>BEST</b>          | <b>BETTER</b>         | <b>GOOD</b>                     |
| BRAND:     | Norton            | Norton               | Norton                | Norton                          |
| TRADENAME: | <b>BLAZE F980</b> | <b>RED HEAT F981</b> | <b>BLUEFIRE F826P</b> | <b>NEON F726</b>                |
| ABRASIVE:  | Ceramic Alumina   | Ceramic Alumina      | Ceramic Zirconia      | Aluminum Oxide/ Ceramic Alumina |
| OTHER:     | Supersize         |                      |                       |                                 |

| SIZE (D x H)   | GRIT | STD. PKG. | PART #      | PART #      | PART #      | STD. PKG. | PART #      |
|----------------|------|-----------|-------------|-------------|-------------|-----------|-------------|
| 4-1/2 x 5/8-11 | 24   | 25        | 66261023269 | 77696009735 |             | 10        | 77696009702 |
|                | 36   | 25        | 66261185294 | 77696009737 |             | 10        | 77696009703 |
|                | 50   | 25        |             | 77696009739 |             | 10        | 77696009704 |
|                | 60   | 25        |             | 77696009740 |             | 10        | 77696009712 |
|                | 80   | 25        |             | 77696009741 |             | 10        | 77696009715 |
|                | 100  | 25        |             | 77696009746 |             | 10        | 77696009716 |
|                | 120  | 25        |             | 77696009747 |             | 10        | 77696009723 |
| 5 x 5/8-11     | 24   | 25        | 66254425336 | 77696009748 | 66261138797 | 10        | 77696009725 |
|                | 36   | 25        | 66261185801 | 77696009749 | 66261138796 | 10        | 66623395014 |
|                | 50   | 25        |             | 77696009750 |             | 10        | 77696009727 |
|                | 60   | 25        |             | 77696009752 |             | 10        | 66623395015 |
|                | 80   | 25        |             | 77696009753 |             | 10        | 77696009728 |
|                | 100  | 25        |             | 77696009754 |             |           |             |
|                | 120  | 25        |             | 77696009755 |             | 10        | 77696009729 |
| 7 x 5/8-11     | 24   | 25        | 69957349782 | 77696009759 | 66261138819 | 10        | 66623395023 |
|                | 36   | 25        | 66261029863 | 77696009760 | 66261138818 | 10        | 66623395024 |
|                | 50   | 25        |             | 77696009761 | 66261138817 | 10        | 66623395025 |
|                | 60   | 25        |             | 77696009762 | 66261138816 |           |             |
|                | 80   | 25        |             | 77696009767 |             | 10        | 66623395026 |
|                | 100  | 25        |             | 77696009771 |             | 10        | 66623395027 |
|                | 120  | 25        |             | 77696009772 |             | 10        | 66623395028 |

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

#### AVAILABILITY

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

| 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 |
|                          | 80   | 10        |             | 77696008478 | 66261126560 |
| 7 Speed-Lok (6 hole)     | 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 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 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

| 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 |
| 7" Hard   | 8,600    | 5         | 63642543425 |
| 7" Medium   | 8,600    | 5         | 63642543422 |
| 9" Hard   | 6,600    | 5         | 63642543426 |
| 9" Medium   | 6,600    | 5         | 63642543423 |
| NOTE: RETAINER NUTS ARE NOT INCLUDED WITH BACK-UP PADS. THESE MUST BE ORDERED SEPARATELY. |          |           |             |
| <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 |
| <b>AVOS Round Speed-Lok Back-up Pads</b>  |          |           |             |
| 7" x 5/8-11 Medium  | 8,600    | 5         | 63642504874 |
| *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 |



## CATEGORY DEFINITION

Flap discs are versatile grinding and finishing tools, consisting of three main components: a backing plate, adhesive, and abrasive cloth flaps. The rectangular flaps are overlapped and glued to the backing plate. Flap discs are designed for right angle grinder applications ranging from heavy stock removal to surface blending.

|                                |  |
|--------------------------------|--|
| <b>APPLICATIONS:</b>           | Grinding, stock removal, edge chamfering/beveling, weld blending, deburring/deflashing, rust removal, blending, cleaning and finishing |
| <b>SIZE RANGE:</b>             | 4": 5/8" hole<br>4-1/2" - 7": 5/8"-11 discard mount, 7/8" hole, and 2" - 3" quick-change   |
| <b>GRIT RANGE:</b>             | 24 - 120   |
| <b>ABRASIVE GRAIN:</b>         | Ceramic Alumina, Zirconia Alumina, Aluminum Oxide,   |
| <b>ABRASIVE FLAPS:</b>         | Polyester or cotton  |
| <b>FLAP DISC SHAPE:</b>        | Type 27 Flat and Type 29 Conical   |
| <b>ABRASIVE FLAP DENSITY:</b>  | Standard or high   |
| <b>BACKING PLATE MATERIAL:</b> | Fiberglass and plastic   |

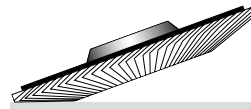
## FLAP DISC SHAPES



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

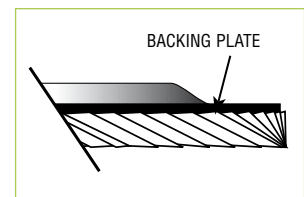


### High Density

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

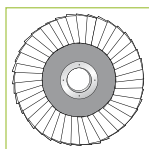
## BACKING PLATE MATERIALS

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.



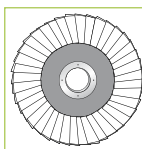
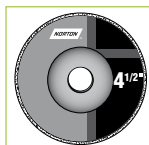
## WHY CHOOSE FLAP DISCS?

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



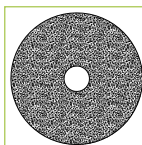
### Flap Discs vs. Grinding Wheels

- 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

| BEST<br>Highest Productivity – Lowest Total Cost | BETTER<br>Excellent Blend of Performance & Price | GOOD<br>Consistent Performance – Lowest Total Cost |
|--|--|--|
|--|--|--|

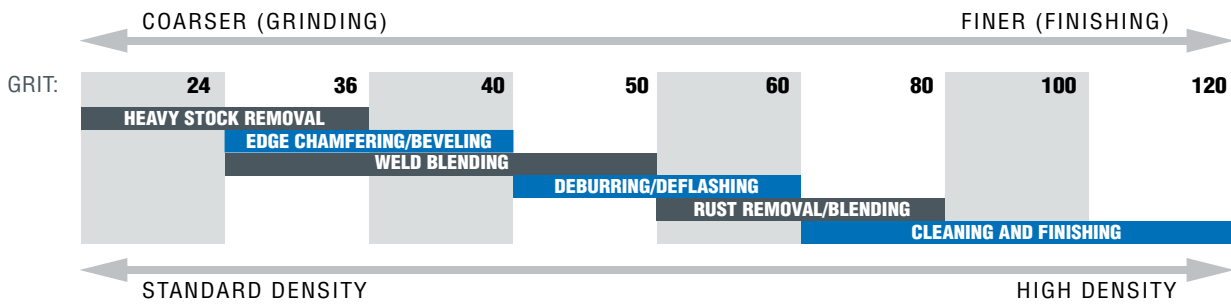
### Type 29 for Stock Removal

| Material                                  | BEST<br>Norton Blaze R980P | BETTER<br>Norton BlueFire R884P | GOOD<br>Norton Neon R766 |
|---|----------------------------|---------------------------------|--------------------------|
| Stainless Steel / Titanium / Super Alloys | Norton Blaze R980P         | Norton BlueFire R884P           | Norton Neon R766         |
| Mild Carbon Steel / Welds                 | Norton Red Heat R961       | Norton BlueFire R884P           | Norton Neon R766         |
| Ferrous Metals / Cast Iron                | Norton Red Heat R961       | Norton BlueFire R884P           | Norton Neon R766         |
| Brass / Bronze / Aluminum                 | –                          | Norton BlueFire R884P           | –                        |

### Type 27 for Blending and Finishing

| Material                                  | BEST<br>Norton Blaze R980P | BETTER<br>Norton BlueFire R884P | GOOD<br>Norton Neon R766 |
|---|----------------------------|---------------------------------|--------------------------|
| Stainless Steel / Titanium / Super Alloys | Norton Blaze R980P         | Norton BlueFire R884P           | Norton Neon R766         |
| Mild Carbon Steel / Welds                 | Norton Red Heat R961       | Norton BlueFire R884P           | Norton Neon R766         |
| Ferrous Metals / Cast Iron                | Norton Red Heat R961       | Norton BlueFire R884P           | Norton Neon R766         |
| Brass / Bronze / Aluminum                 | –                          | Norton BlueFire R884P           | Norton Neon R766         |

## APPLICATION/GRIT RECOMMENDATION GUIDE



## CROSS REFERENCE GUIDE



|                  | BEST<br>Blaze R980P | Red Heat R961       | BETTER<br>BlueFire R884P  | GOOD<br>Neon R766                                 |
|------------------|---------------------|---------------------|---------------------------|---|
| <b>NORTON</b>    |                     |                     |                           |   |
| <b>3M</b>        | 947D                | 747D                | 563D, 546D                | –   |
| <b>DeWalt</b>    | –                   | –                   | –                         | Z/A   |
| <b>Camel</b>     | –                   | C3                  | Z-Stainless               | Z3, A3  |
| <b>Flexovit</b>  | –                   | –                   | –                         | Zircotex Premium, Zircotex HP                     |
| <b>Garryson</b>  | –                   | –                   | Zirc+, Zirconium          | Aluminum Oxide                                    |
| <b>GemTex</b>    | –                   | Ceramic             | –                         | Zirconia, A/O                                     |
| <b>Hermes</b>    | –                   | –                   | –                         | –   |
| <b>Klingspor</b> | –                   | –                   | SMT 630                   | SMT 618, 619, 624, 626, 627, 628, 640             |
| <b>Metabo</b>    | –                   | –                   | –                         | Z/A   |
| <b>Pearl</b>     | –                   | Stainless Max       | Zirconia Premium, TuffMax | Z/A Silver Line, Premium A/O Classic, Silver Line |
| <b>Pferd</b>     | –                   | Ceramic             | Cool Zirconia, CO-COOL    | Zirconia, Cool Aluminum Oxide, Aluminum Oxide     |
| <b>Sait</b>      | –                   | –                   | Z                         | 2A, 3A  |
| <b>SIA</b>       | –                   | –                   | –                         | Z/A   |
| <b>Standard</b>  | –                   | Ceramic Oxide       | Zirconia Pro              | Zirconia  |
| <b>Tyrolit</b>   | –                   | –                   | Z/A                       | A/O   |
| <b>Walter</b>    | –                   | –                   | Enduro Flex               | –   |
| <b>Weiler</b>    | –                   | Saber Tooth Ceramic | –                         | Tiger Zirconium, A/O, Vortec                      |



FEATURED PRODUCTS



EXPANDED OFFERING

**NORTON BLAZE R980P**

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

FEATURES

- Latest-generation ceramic alumina abrasive grain
- Y-weight polyester flaps with a supersize grinding aid
- Durable fiberglass back on Type 29 and Type 27 HD
- Orange, flexible plastic backing plate on Type 27 Quick Trim
- NEW! 2" and 3" quick-change mini flap discs

BENEFITS

- Last 50% – 200% longer than any flap discs on stainless steel, cobalt, chrome, Inconel, titanium and other hard-to-grind materials
- Significantly improve life, grain retention, and fray resistance while providing a cool, noticeably fast cut rate
- High strength, lightweight, absorbs vibration
- The industry standard for trimmability
- Ideal for tight spaces



**NORTON RED HEAT R961**

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

FEATURES

- Premium ceramic and zirconia alumina abrasive blend
- Durable, fiberglass back on Type 29
- Red, flexible plastic backing plate on Type 27 Quick Trim

BENEFITS

- Excellent performance and efficiencies on mild carbon steel and ferrous metal/cast iron applications
- High strength, lightweight, absorbs vibration
- The industry standard for trimmability



EXPANDED OFFERING

**NORTON BLUEFIRE R884P**

BETTER CHOICE FOR MILD CARBON STEEL, AND WELDS

FEATURES

- High performance zirconia alumina plus abrasive
- Polyester flaps with semi-open coat
- Durable, fiberglass back on Type 29 and NEW Type 27 HD
- Blue, flexible plastic backing plate on Type 27 Quick Trim
- NEW! Vendible 2-disc package
- NEW! 2" and 3" quick-change mini flap discs

BENEFITS

- Aggressive cut and long life
- Up to 30% longer life than competitive zirconia alumina products
- Improved durability and retards loading on aluminum
- High strength, lightweight, absorbs vibration
- The industry standard for trimmability
- ideal for vending machines, small jobs, or carrying to a job site
- Ideal for tight spaces



**NORTON NEON R766**

GOOD CHOICE FOR ALUMINUM, BRASS, BRONZE, STAINLESS, CARBON STEEL, AND TITANIUM

FEATURES

- Alternating aluminum oxide (black) and zirconia alumina (blue) flaps
- New resin system and alternating Y-weight polyester and cotton flaps
- Unique grain coating
- Fiberglass back on Type 29 and Type 27 HD
- Green, flexible plastic backing plate on Type 27 Quick Trim

BENEFITS

- Ideal when purchasing criteria is a good-performing, economically-priced, general purpose disc
- Improved base adhesion and 30%+ improvement in life over key competitors' aluminum oxide flap discs
- Stand up on light- to moderately-demanding applications
- Longer life and faster cut rate
- High strength, lightweight, absorb vibration
- The industry standard for trimmability



NEW

**NORTON METAL R828**

GOOD CONSISTENT PERFORMANCE WITH LOW INITIAL PRICE

FEATURES

- Durable zirconia alumina abrasive

BENEFITS

- Maximum cut rate and life with consistent finish





## AVAILABILITY

|                |                    |                                      |                       |                                     |                   |
|----------------|--------------------|--------------------------------------|-----------------------|-------------------------------------|-------------------|
| 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>RED HEAT R961</b>                 | <b>BLUEFIRE R884P</b> | <b>NEON R766</b>                    | <b>METAL R828</b> |
| SHAPE:         | Type 29 Conical    | Type 29 Conical                      | Type 29 Conical       | Type 29 Conical                     | Type 29 Conical   |
| FLAP DENSITY:  | Standard           | Standard                             | Standard              | Standard                            | Standard          |
| ABRASIVE:      | Ceramic Alumina    | Ceramic Alumina/<br>Zirconia Alumina | Zirconia Alumina Plus | Aluminum Oxide/<br>Zirconia Alumina | Zirconia Alumina  |
| BACKING PLATE: | Fiberglass         | Fiberglass                           | Fiberglass            | Fiberglass                          | Fiberglass        |
| OTHER:         | Supersize          |                                      |                       |                                     |                   |

| SIZE (D x H)           | GRIT | MAX. RPM | STD. PKG. | 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 | 66623399053* | 66254461165        | 66623399028 | 66254419991 |
|                        | 36   | 13,300   | 10        |             |              | 66623341104 2-Pack |             |             |
|                        | 40   | 13,300   | 10        | 66261183491 | 63642536156* | 66254461167        | 66623399029 | 66254419994 |
|                        | 60   | 13,300   | 10        | 66261183492 | 63642536157* | 66254461170        | 66623399030 | 66254419996 |
|                        | 60   | 13,300   | 10        |             |              | 66623341105 2-Pack |             |             |
|                        | 80   | 13,300   | 10        | 66261183493 | 63642536158* | 66254461173        | 66623399173 | 66254419997 |
|                        | 80   | 13,300   | 10        |             |              | 66623341106 2-Pack |             |             |
|                        | 120  | 13,300   | 10        |             | 63642597115* |                    | 66623399174 |             |
| 4-1/2 x 7/8            | 24   | 13,300   | 10        |             |              | 66623399204        |             |             |
|                        | 36   | 13,300   | 10        | 66261183486 | 63642504329  | 66254461155        | 66623399032 | 66254419963 |
|                        | 36   | 13,300   | 10        |             |              | 66623341107 2-Pack |             |             |
|                        | 40   | 13,300   | 10        | 66261183487 | 63642504330  | 66254461161        | 66623399033 | 66254419978 |
|                        | 60   | 13,300   | 10        | 66261183488 | 63642504331  | 66254461163        | 66623399034 | 66254419984 |
|                        | 60   | 13,300   | 10        |             |              | 66623341108 2-Pack |             |             |
|                        | 80   | 13,300   | 10        | 66261183489 | 63642504332  | 66254461164        | 66623399035 | 66254419987 |
|                        | 80   | 13,300   | 10        |             |              | 66623341109 2-Pack |             |             |
|                        | 120  | 13,300   | 10        |             | 63642504333  |                    | 66623399175 |             |
| 5 x 5/8-11             | 36   | 12,000   | 10        |             | 66623399197* | 66623399189        | 66623399176 |             |
|                        | 36   | 12,000   | 10        |             |              | 66623341110 2-Pack |             |             |
|                        | 40   | 12,000   | 10        |             | 66623399198* | 66623399190        | 66623399177 |             |
|                        | 60   | 12,000   | 10        |             | 66623399199* | 66623399191        | 66623399178 |             |
|                        | 60   | 12,000   | 10        |             |              | 66623341111 2-Pack |             |             |
|                        | 80   | 12,000   | 10        |             | 66623399200* | 66623399192        | 66623399179 |             |
|                        | 80   | 12,000   | 10        |             |              | 66623341112 2-Pack |             |             |
|                        | 120  | 12,000   | 10        |             | 66623399201* |                    | 66623399180 |             |
| 5 x 7/8                | 24   | 12,000   | 10        |             |              | 66623399206        |             |             |
|                        | 36   | 12,000   | 10        | 66261190001 | 66623399054  | 66254461174        | 66623399036 | 66254419998 |
|                        | 36   | 12,000   | 10        |             |              | 66623341113 2-Pack |             |             |
|                        | 40   | 12,000   | 10        | 66261190002 | 66623399055  | 66254461176        | 66623399037 | 66254420001 |
|                        | 60   | 12,000   | 10        | 66261190003 | 66623399056  | 66254461177        | 66623399038 | 66254420002 |
|                        | 60   | 12,000   | 10        |             |              | 66623341114 2-Pack |             |             |
|                        | 80   | 12,000   | 10        | 66261190004 | 66623399057  | 66254461178        | 66623399039 | 66254420003 |
|                        | 80   | 12,000   | 10        |             |              | 66623341115 2-Pack |             |             |
|                        | 120  | 12,000   | 10        |             | 66623399202  |                    | 66623399181 |             |
| 6 x 5/8-11             | 40   | 10,200   | 10        |             |              |                    | 66623399040 | 66254491779 |
|                        | 60   | 10,200   | 10        |             |              |                    | 66623399041 | 66254491780 |
|                        | 80   | 10,200   | 10        |             |              |                    | 66623399042 | 66254491781 |
| 6 x 7/8                | 24   | 10,200   | 10        |             |              | 66623399066        |             |             |
|                        | 36   | 10,200   | 10        |             |              | 66623399298        |             |             |
|                        | 40   | 10,200   | 10        |             | 63642541406  | 66623399193        | 66623399182 | 66254491776 |
|                        | 60   | 10,200   | 10        |             | 63642541407  | 66623399194        | 66623399183 | 66254491777 |
|                        | 80   | 10,200   | 10        |             | 63642541408  | 66623399195        | 66623399184 | 66254491778 |
|                        | 120  | 10,200   | 10        |             |              |                    |             |             |
| 7 x 5/8-11             | 36   | 8,600    | 10        | 66261183498 | 66623399058* | 66254461188        | 66623399185 | 66254420009 |
|                        | 36   | 8,600    | 10        |             |              | 66623341116 2-Pack |             |             |
|                        | 40   | 8,600    | 10        | 66261183499 | 63642536159* | 66254461190        | 66623399043 | 66254420010 |
|                        | 60   | 8,600    | 10        | 66261183500 | 63642536160* | 66254461192        | 66623399044 | 66254420012 |
|                        | 60   | 8,600    | 10        |             |              | 66623341117 2-Pack |             |             |
|                        | 80   | 8,600    | 10        | 66261183501 | 63642536161* | 66254461193        | 66623399045 | 66254420013 |
|                        | 80   | 8,600    | 10        |             |              | 66623341118 2-Pack |             |             |
|                        | 120  | 8,600    | 10        |             | 66623399203* |                    | 66623399186 |             |
| 7 x 7/8                | 24   | 8,600    | 10        |             |              | 66623399196        |             |             |
|                        | 36   | 8,600    | 10        | 66261183494 | 63642504334  | 66254461180        | 66623399187 | 66254420004 |
|                        | 36   | 8,600    | 10        |             |              | 66623341119 2-Pack |             |             |
|                        | 40   | 8,600    | 10        | 66261183495 | 63642504335  | 66254461183        | 66623399046 | 66254420006 |
|                        | 60   | 8,600    | 10        | 66261183496 | 63642504336  | 66254461185        | 66623399047 | 66254420007 |
|                        | 60   | 8,600    | 10        |             |              | 66623341120 2-Pack |             |             |
|                        | 80   | 8,600    | 10        | 66261183497 | 63642504337  | 66254461186        | 66623399048 |             |
|                        | 80   | 8,600    | 10        |             |              | 66623341121 2-Pack |             |             |
|                        | 120  | 8,600    | 10        |             | 63642504338  |                    | 66623399188 |             |

\* 5/8-11 (HUBBED) RED HEAT FLAP DISC STD. PKG. QUANTITY = 5 V = VENDIBLE PACKAGE. 2 DISCS/PACK; 5 PACKS/CARTON. ORDER IN MULTIPLES OF 10.



## AVAILABILITY

|                |   |   |  |   |   |
|----------------|---|---|--|---|---|
|                |  |  |  |  |  |
| TIER:          | <b>BEST</b>   | <b>BEST</b>   | <b>BEST</b>  | <b>BETTER</b>   | <b>BETTER</b>   |
| BRAND:         | Norton  | Norton  | Norton   | Norton  | Norton  |
| TRADENAME:     | <b>BLAZE R980P</b>  | <b>BLAZE R980P</b>  | <b>RED HEAT R961</b>   | <b>BLUEFIRE R884P</b>   | <b>BLUEFIRE R884P</b>   |
| SHAPE:         | Type 27 Flat  | Type 27 Flat  | Type 27 Flat   | Type 27 Flat  | Type 27 Flat  |
| FLAP DENSITY:  | Standard  | High  | Standard   | Standard  | High  |
| ABRASIVE:      | Ceramic Alumina   | Ceramic Alumina   | Ceramic Alumina/<br>Zirconia Alumina   | Zirconia Alumina Plus   | Zirconia Alumina Plus   |
| BACKING PLATE: | Quick Trim Plastic  | Fiberglass  | Quick Trim Plastic   | Quick Trim Plastic  | Fiberglass  |
| OTHER:         | Supersize   | Supersize   |  |   |   |

| SIZE (D x H)        | GRIT | MAX. RPM | STD. PKG. | PART # | PART #      | PART #       | PART #             | PART #             |
|---------------------|------|----------|-----------|--------|-------------|--------------|--------------------|--------------------|
| <b>Type 27 Flat</b> |      |          |           |        |             |              |                    |                    |
| 4 x 5/8             | 40   | 15,300   | 10        |        |             | 63642536153  |                    |                    |
|                     | 60   | 15,300   | 10        |        |             | 63642536154  |                    |                    |
|                     | 80   | 15,300   | 10        |        |             | 63642536155  |                    |                    |
| 4-1/2 x 5/8-11      | 36   | 13,300   | 10        |        | 66254499894 | 66623399163* | 66623399136        |                    |
|                     | 36   | 13,300   | 10        | ✓      |             |              | 66623341086 2-Pack |                    |
|                     | 40   | 13,300   | 10        |        | 66254400257 | 66261098290  | 66623399137        | 77696090086        |
|                     | 60   | 13,300   | 10        |        | 66254400258 | 66261096435  | 66623399138        | 77696090087        |
|                     | 60   | 13,300   | 10        | ✓      |             |              | 66623341087 2-Pack |                    |
|                     | 80   | 13,300   | 10        |        | 66254400259 | 66261096436  | 66623399139        | 77696090088        |
|                     | 80   | 13,300   | 10        | ✓      |             |              | 66623341088 2-Pack |                    |
|                     | 120  | 13,300   | 10        |        | 66254400261 |              | 66623399164*       |                    |
| 4-1/2 x 7/8         | 36   | 13,300   | 10        |        | 63642501865 | 66261097678  | 63642504876        | 66623399140        |
|                     | 36   | 13,300   | 10        | ✓      |             |              | 66623341089 2-Pack | 77696090081        |
|                     | 40   | 13,300   | 10        |        | 66254400253 | 66261020628  | 63642504877        | 66623399141        |
|                     | 60   | 13,300   | 10        |        | 66254400254 | 66261020633  | 63642504878        | 66623399142        |
|                     | 60   | 13,300   | 10        | ✓      |             |              | 66623341090 2-Pack | 77696090082        |
|                     | 80   | 13,300   | 10        |        | 66254400255 | 66261020634  | 63642504879        | 66623399143        |
|                     | 80   | 13,300   | 10        | ✓      |             |              | 66623341091 2-Pack | 77696090084        |
|                     | 120  | 13,300   | 10        |        | 66254400256 |              | 63642505279        | 66623341092 2-Pack |
|                     |      |          |           |        |             |              |                    | 77696090085        |
| 5 x 5/8-11          | 36   | 12,000   | 10        |        |             | 66623399165* | 66623399144        |                    |
|                     | 36   | 12,000   | 10        | ✓      |             |              | 66623341092 2-Pack |                    |
|                     | 40   | 12,000   | 10        |        | 77696090141 | 66254491941* | 66623399145        |                    |
|                     | 60   | 12,000   | 10        |        | 77696090142 | 66254491942* | 66623399146        |                    |
|                     | 60   | 12,000   | 10        | ✓      |             |              | 66623341093 2-Pack |                    |
|                     | 80   | 12,000   | 10        |        | 77696090143 | 66254491943* | 66623399147        |                    |
|                     | 80   | 12,000   | 10        | ✓      |             |              | 66623341094 2-Pack |                    |
|                     | 120  | 12,000   | 10        |        | 77696090144 |              | 66623399166*       |                    |
| 5 x 7/8             | 36   | 12,000   | 10        |        |             | 63642505281  | 66623399148        |                    |
|                     | 36   | 12,000   | 10        | ✓      |             |              | 66623341095 2-Pack |                    |
|                     | 40   | 12,000   | 10        |        | 66254400262 | 63642505282  | 66623399149        |                    |
|                     | 60   | 12,000   | 10        |        | 66254400264 | 63642505283  | 66623399150        |                    |
|                     | 60   | 12,000   | 10        | ✓      |             |              | 66623341096 2-Pack |                    |
|                     | 80   | 12,000   | 10        |        | 66254400265 | 63642505284  | 66623399151        |                    |
|                     | 80   | 12,000   | 10        | ✓      |             |              | 66623341097 2-Pack |                    |
|                     | 120  | 12,000   | 10        |        | 66254400519 | 63642505285  |                    |                    |
| 6 x 5/8-11          | 40   | 10,200   | 10        |        |             | 66623399167* | 66623399148        |                    |
|                     | 60   | 10,200   | 10        |        |             | 66623399168* | 66623399149        |                    |
|                     | 80   | 10,200   | 10        |        |             | 66623399169* | 66623399150        |                    |
| 6 x 7/8             | 36   | 10,200   | 10        |        |             |              | 66623341096 2-Pack |                    |
|                     | 40   | 10,200   | 10        |        |             | 66623399024  | 66623399152        |                    |
|                     | 60   | 10,200   | 10        |        |             | 66623399025  | 66623399153        |                    |
|                     | 80   | 10,200   | 10        |        |             | 66623399026  | 66623399154        |                    |
|                     | 120  | 10,200   | 10        |        |             | 66623399027  |                    |                    |
| 7 x 5/8-11          | 36   | 8,600    | 10        |        |             | 66623399170* | 66623399155        |                    |
|                     | 36   | 8,600    | 10        | ✓      |             |              | 66623341098 2-Pack |                    |
|                     | 40   | 8,600    | 10        |        | 66254461066 | 63642536150* | 66623399156        | 77696090092        |
|                     | 60   | 8,600    | 10        |        | 66254461067 | 63642536151* | 66623399157        | 77696090093        |
|                     | 60   | 8,600    | 10        | ✓      |             |              | 66623341099 2-Pack |                    |
|                     | 80   | 8,600    | 10        |        | 66254461068 | 63642536152* | 66623399158        | 77696090094        |
|                     | 80   | 8,600    | 10        | ✓      |             |              | 66623341100 2-Pack |                    |
|                     | 120  | 8,600    | 10        |        | 66254461069 | 66623399171* |                    |                    |
| 7 x 7/8             | 36   | 8,600    | 10        |        | 63642501866 | 63642504880  | 66623399159        |                    |
|                     | 36   | 8,600    | 10        | ✓      |             |              | 66623341101 2-Pack |                    |
|                     | 40   | 8,600    | 10        |        | 66254461059 | 63642504881  | 66623399160        | 77696090089        |
|                     | 60   | 8,600    | 10        |        | 66254461060 | 63642504882  | 66623399161        | 77696090090        |
|                     | 60   | 8,600    | 10        | ✓      |             |              | 66623341102 2-Pack |                    |
|                     | 80   | 8,600    | 10        |        | 66254461061 | 63642504883  | 66623399162        | 77696090091        |
|                     | 80   | 8,600    | 10        | ✓      |             |              | 66623341103 2-Pack |                    |
|                     | 120  | 8,600    | 10        |        | 66254461063 | 66623399172  |                    |                    |

\* 5/8-11 (HUBBED) RED HEAT FLAP DISC STD. PKG. QUANTITY = 5  
 ✓ = VENDIBLE PACKAGE. IDEAL FOR VENDING MACHINES & SMALL JOBS. 2 FLAP DISCS/PACK, 5 PACKS/CARTON. ORDER IN MULTIPLES OF 10.



## AVAILABILITY

|                |                                     |                                     |                   |
|----------------|-------------------------------------|-------------------------------------|-------------------|
|                |                                     |                                     |                   |
| TIER:          | <b>GOOD</b>                         | <b>GOOD</b>                         | <b>GOOD</b>       |
| BRAND:         | Norton                              | Norton                              | Norton            |
| TRADENAME:     | <b>NEON R766</b>                    | <b>NEON R766</b>                    | <b>METAL R828</b> |
| SHAPE:         | Type 27 Flat                        | Type 27 Flat                        | Type 27 Flat      |
| FLAP DENSITY:  | Standard                            | High                                | Standard          |
| ABRASIVE:      | Aluminum Oxide/<br>Zirconia Alumina | Aluminum Oxide/<br>Zirconia Alumina | Zirconia Alumina  |
| BACKING PLATE: | Quick Trim Plastic                  | Fiberglass                          | Fiberglass        |
| OTHER:         |                                     |                                     |                   |

| SIZE (D x H)                    | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      |
|---------------------------------|------|----------|-----------|-------------|-------------|-------------|
| <b>Type 27 Flat (continued)</b> |      |          |           |             |             |             |
| 4 x 5/8                         | 40   | 15,300   | 10        |             |             |             |
|                                 | 60   | 15,300   | 10        |             |             |             |
|                                 | 80   | 15,300   | 10        |             |             |             |
| 4-1/2 x 5/8-11                  | 36   | 13,300   | 10        | 66623399125 | 66623399205 | 66254472655 |
|                                 | 40   | 13,300   | 10        | 66623399000 | 66623399059 | 66254437013 |
|                                 | 60   | 13,300   | 10        | 66623399001 | 66623399060 | 66254472656 |
|                                 | 80   | 13,300   | 10        | 66623399002 | 66623399061 | 66254472657 |
|                                 | 120  | 13,300   | 10        | 66623399003 |             |             |
| 4-1/2 x 7/8                     | 36   | 13,300   | 10        | 66623399126 | 66623399062 | 66254472653 |
|                                 | 40   | 13,300   | 10        | 66623399004 | 66623399063 | 66254437004 |
|                                 | 60   | 13,300   | 10        | 66623399005 | 66623399064 | 66254448989 |
|                                 | 80   | 13,300   | 10        | 66623399006 | 66623399065 | 66254448990 |
|                                 | 120  | 13,300   | 10        | 66623399007 |             |             |
| 5 x 5/8-11                      | 36   | 12,000   | 10        | 66623399127 | 66623399207 |             |
|                                 | 40   | 12,000   | 10        | 66623399128 | 66623399208 |             |
|                                 | 60   | 12,000   | 10        | 66623399130 | 66623399209 |             |
|                                 | 80   | 12,000   | 10        | 66623399131 | 66623399210 |             |
|                                 | 120  | 12,000   | 10        | 66623399132 |             |             |
| 5 x 7/8                         | 36   | 12,000   | 10        | 66623399133 | 66623399211 | 66254472659 |
|                                 | 40   | 12,000   | 10        | 66623399008 | 66623399212 | 66254472660 |
|                                 | 60   | 12,000   | 10        | 66623399009 | 66623399213 | 66254472661 |
|                                 | 80   | 12,000   | 10        | 66623399010 | 66623399214 | 66254472662 |
|                                 | 120  | 12,000   | 10        | 66623399011 |             |             |
| 6 x 5/8-11                      | 40   | 10,200   | 10        |             | 66623399219 | 66254491773 |
|                                 | 60   | 10,200   | 10        |             | 66623399220 | 66254491774 |
|                                 | 80   | 10,200   | 10        |             | 66623399221 | 66254491775 |
| 6 x 7/8                         | 36   | 10,200   | 10        |             | 66623399215 |             |
|                                 | 40   | 10,200   | 10        | 66623399012 | 66623399216 | 66254491770 |
|                                 | 60   | 10,200   | 10        | 66623399013 | 66623399217 | 66254491771 |
|                                 | 80   | 10,200   | 10        | 66623399014 | 66623399218 | 66254491772 |
|                                 | 120  | 10,200   | 10        | 66623399015 |             |             |
| 7 x 5/8-11                      | 36   | 8,600    | 10        | 66623399134 | 66623399222 | 66254472669 |
|                                 | 40   | 8,600    | 10        | 66623399016 | 66623399067 | 66254472670 |
|                                 | 60   | 8,600    | 10        | 66623399017 | 66623399068 | 66254472671 |
|                                 | 80   | 8,600    | 10        | 66623399018 | 66623399069 | 66254472672 |
|                                 | 120  | 8,600    | 10        | 66623399019 |             |             |
| 7 x 7/8                         | 36   | 8,600    | 10        | 66623399135 | 66623399070 | 66254472664 |
|                                 | 40   | 8,600    | 10        | 66623399020 | 66623399071 | 66254472665 |
|                                 | 60   | 8,600    | 10        | 66623399021 | 66623399072 | 66254472666 |
|                                 | 80   | 8,600    | 10        | 66623399022 | 66623399073 | 66254472667 |
|                                 | 120  | 8,600    | 10        | 66623399023 |             |             |

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

Whether you want maximum productivity or simply the lowest initial cost solution, Norton has the product 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 Neon  
Good Performance – Low Initial Price



**NORTON BLUEFIRE 20X R884P**

PACKAGED FOR RETAIL / WALK-IN SELLING / SMALL JOBS

**FEATURES & BENEFITS**

- Zirconia alumina 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

AVAILABILITY

|                |                           |
|----------------|---------------------------|
| TIER:          | <b>BETTER</b>             |
| BRAND:         | Norton                    |
| TRADENAME:     | <b>BLUEFIRE 20X R884P</b> |
| 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 provide maximum cut rate and life
- Layered flaps wear away evenly, producing a high quality and consistent finish



AVAILABILITY

|                   |                          |                          |                          |                          |
|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 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         | Ceramic Alumina          | Zirconia Alumina         |
| 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                          | STD. PKG. | MAX. RPM | PART #      |
|--------------------------------------|-----------|----------|-------------|
| <b>Mini Flap Disc Back-up Pads</b>   |           |          |             |
| 2" and 3" TS (Type II) Back-up Pads  | 1         | 30,000   | 08834168539 |
| 2" and 3" TR (Type III) Back-up Pads | 1         | 30,000   | 08834164922 |





**CATEGORY DEFINITION**

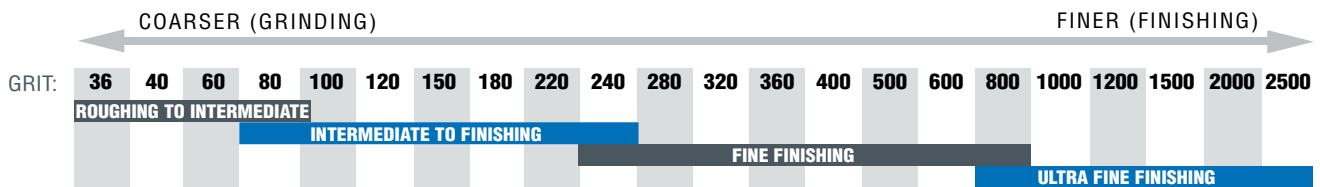
For use on random orbital and rotary sanders. The industry's highest performing and broadest selection of paper discs in PSA (pressure sensitive adhesive) disc rolls and individual discs, and hook and loop discs.

|                            |   |
|----------------------------|---|
| <b>APPLICATIONS:</b>       | 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 |
| <b>SIZE RANGE:</b>         | 3" – 8"   |
| <b>GRIT RANGE:</b>         | 36 – 1500   |
| <b>ABRASIVE GRAIN:</b>     | Ceramic Alumina, Zirconia Alumina, Aluminum Oxide, Silicon Carbide  |
| <b>ATTACHMENT SYSTEMS:</b> | PSA (pressure-sensitive adhesive), hook and loop  |
| <b>PAPER WEIGHTS:</b>      | Heavyweight – E and F; Lightweight – B and C  |
| <b>VACUUM HOLES:</b>       | See product availability charts   |

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

|                                     | <b>BEST</b><br>Highest Productivity – Lowest Total Cost |                               | <b>BETTER</b><br>Excellent Blend of Performance & Price |                               | <b>GOOD</b><br>Consistent Performance – Low Initial Price |
|-------------------------------------|---|-------------------------------|---|-------------------------------|---|
|                                     | Heavy-Medium Stock Removal                              | Light Stock Removal-Finishing | Heavy-Medium Stock Removal                              | Light Stock Removal-Finishing | Light Stock Removal-Finishing                             |
| Primed, Painted Surfaces            |   | A975                          | H875P   | A275                          | PB273   |
| Fiberglass / Composites / Gel Coats |   | A975                          | H875P   | A275                          | PB273   |
| Wood                                |   | A975                          | H875P   | A275                          | PB273   |
| Metal                               | H920  | A975                          | H822  | A275                          | PB273   |
| Body Fillers / Compounds / Plastics |   | A975                          | H875P   | A275                          | PB273   |

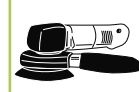
**APPLICATION/GRIT RECOMMENDATION GUIDE**



**CROSS REFERENCE GUIDE**



|                  | <b>BEST</b>    |                  | <b>BETTER</b>    |                        |                              |                  |                              | <b>GOOD</b>              |                    |
|------------------|----------------|------------------|------------------|------------------------|------------------------------|------------------|------------------------------|--------------------------|--------------------|
|                  | F-Wt.          | B- & C-Wt.       | F-Wt.            | E-Wt.                  | B-Wt.                        | B-Wt.            | B-Wt.                        | C-Wt.                    | B-Wt.              |
| <b>NORTON</b>    | Norton SG H920 | Dry Ice A975     | BlueFire H822    | BlueFire H875P         | Adalox A275                  | Adalox A270      | Durite A475                  | Adalox A290              | PB273              |
| <b>MERIT</b>     | 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 |
| <b>3M</b>        | CB115          | –                | BW 115           | –                      | VC154-LL                     | VC152            | PSF-LL, SF168                | HCAB-LL, HC135, VC151-LL | –                  |
| <b>Hermes</b>    | –              | –                | –                | –                      | RedLine                      | –                | –                            | –                        | WhiteLine          |
| <b>Indasa</b>    | –              | PS36             | PS20, PS21, PS22 | –                      | PS33                         | –                | PL35                         | PS33                     | PL36               |
| <b>Klingspor</b> | –              | –                | –                | Royal Coarse Cut       | Q-Silver, Royal, Royal Micro | Silver           | CaratFlex, PolarStar         | Bulldog Gold, Basecut    | Carat (B), Basecut |
| <b>Mirka</b>     | –              | 1950             | 1820, 1919       | 1820, 1919             | 1940, 1950                   | –                | 1748                         | 1947                     | –                  |
| <b>SIA</b>       | –              | –                | –                | KP510E, KP709          | MPG                          | –                | CP131A                       | KP911                    | MP10               |
| <b>VSM</b>       | –              | –                | –                | –                      | –                            | –                | –                            | –                        | –                  |



FEATURED PRODUCTS

Light-Weight Paper Discs



**NO-FIL NORTON DRYICE A975**

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
- NEW Multi-Air Cyclonic A975 Hook and Loop Discs now available

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
- Revolutionary desing for maximum vacuum assist (see page 87 for more details and product availability)



**NO-FIL NORTON ADALOX A275**

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



**NO-FIL NORTON DURITE A475**

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



**MERIT NO-LOAD PB273**

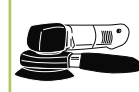
GOOD CHOICE FOR SANDING PAINT, PRIMER, PLASTICS, FIBERGLASS, AND WHITEWOOD AT A LOW INITIAL PRICE

FEATURES

- P-graded, aluminum oxide abrasive
- Flexible latex B-weight backing, with a full resin bond and open coat
- Water-based stearate, non-pigmented, No-Fil coating

BENEFITS

- Fast cutting action and extended life with consistent finish
- Improved resistance to delamination; no delamination to back-up pad
- Provides improved load resistance
- No color transfer to work



FEATURED PRODUCTS

Heavy-Weight Paper Discs



**NORTON SG H920**

BEST CHOICE FOR MORE DEMANDING STOCK REMOVAL APPLICATIONS

FEATURES

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

BENEFITS

- Maximum life; fast aggressive cutting action, yet cool cutting
- Maximum durability and chip resistance, ideal for soldered and welded areas, and unpainted metal applications



**NORTON BLUEFIRE H875P**

BETTER CHOICE FOR SOFT MATERIAL 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 and composites

AVAILABILITY  
STICK AND SAND (PSA)  
HEAVY-WEIGHT DISC ROLLS  
NON-VACUUM



TIER:

BRAND:

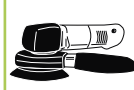
CAP CODE:

ABRASIVE:

PAPER BACKING WEIGHT:

| SIZE | GRIT | ROLLS/STD. PKG. | DISCS/ ROLL | PART #                                    | PART #      | PART #      |
|------|------|-----------------|-------------|---|-------------|-------------|
| 5    | 60   | 4               | 100         | 66261149873                               | 66261137310 | 66261124977 |
|      | 80   | 4               | 100         | 66261149872                               | 66261137309 |             |
|      | 100  | 4               | 100         | 66261149871                               | 66261137308 |             |
|      | 120  | 4               | 100         | 66261149870                               | 66261137307 |             |
| 6    | 60   | 4               | 100         | 66261149876<br>66261149874<br>66261149879 | 66261137323 | 66261125573 |
|      | 80   | 4               | 100         |   | 66261137322 |             |
|      | 120  | 4               | 100         |   |             |             |
| 8    | 100  | 4               | 50          | 66261149879                               | 66261137333 |             |
|      | 120  | 4               | 50          |   |             |             |

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



AVAILABILITY  
STICK AND SAND (PSA)  
LIGHT-WEIGHT 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             | Merit                |
| CAP CODE:             | <b>A975 NO-FIL</b> | <b>A275 NO-FIL</b> | <b>A475 NO-FIL</b> | <b>A290 NO-FIL</b> | <b>PB273 NO-LOAD</b> |
| ABRASIVE:             | Ceramic Alumina    | Aluminum Oxide     | Silicon Carbide    | Aluminum Oxide     | Aluminum Oxide       |
| PAPER BACKING WEIGHT: | B- & C-Weight      | B-Weight           | B-Weight           | C-Weight           | B-Weight             |
| 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 | 66261149830 | 66623362930 |
|       | 100  | 4                   | 100            | 66261140501 | 66261131463* | 66254487417 | 66261149829 |             |
|       | 120  | 4                   | 100            | 66261140500 | 66261131462* | 66254487418 | 66261149828 | 66623362929 |
|       | 150  | 4                   | 100            | 66261140499 | 66261131461* | 66254487440 | 66261149827 | 66623362928 |
|       | 180  | 4                   | 100            | 66261140498 | 66261131460* | 66254487441 | 66261149826 | 66623362927 |
|       | 220  | 4                   | 100            | 66261142474 | 66261131459* | 66254487442 | 66261149825 | 66623362926 |
|       | 240  | 4                   | 100            | 66261155380 | 66261131458* | 66254487443 | 66261149824 | 66623362925 |
|       | 280  | 4                   | 100            | 66261155379 | 66261131457* |             | 66261149823 |             |
|       | 320  | 4                   | 100            | 66261155378 | 66261131456* | 66254487444 | 66261149822 | 66623362924 |
|       | 400  | 4                   | 100            | 66261155377 | 66261131454* | 66261065293 | 66261149821 | 66623362923 |
|       | 500  | 4                   | 100            | 66254480231 | 66261131453* |             |             |             |
|       | 600  | 4                   | 100            | 66623305608 | 66261131452* | 66254421217 |             | 66623362922 |
|       | 800  | 4                   | 100            | 66254480230 | 66261131451* | 66254401221 |             | 66623362921 |
| 6     | 60   | 4                   | 100            |             |              |             | 66261149847 |             |
|       | 80   | 4                   | 100            | 66261140512 | 66261131481* | 66254487446 | 66261149842 | 66623362940 |
|       | 100  | 4                   | 100            | 66261140511 | 66261131480* |             | 66261149841 | 69957352447 |
|       | 120  | 4                   | 100            | 66261140510 | 66261131479* | 66254487447 | 66261149840 | 66623362939 |
|       | 150  | 4                   | 100            | 66261140509 | 66261131478* |             | 66261149839 | 66623362938 |
|       | 180  | 4                   | 100            | 66261140508 | 66261131477* | 66254487448 | 66261149838 | 66623362937 |
|       | 220  | 4                   | 100            | 66261148340 | 66261131476* | 66254487449 | 66261149837 | 66623362936 |
|       | 240  | 4                   | 100            | 66261155376 | 66261131475* |             | 66261149836 | 66623362935 |
|       | 280  | 4                   | 100            | 66261155375 | 66261131474* |             | 66261149835 |             |
|       | 320  | 4                   | 100            | 66261155374 | 66261131473* | 66254487450 | 66261149834 | 66623362934 |
|       | 400  | 4                   | 100            | 66261155373 | 66261131471* |             | 66261149833 | 66623362933 |
|       | 500  | 4                   | 100            | 63642506198 | 66261131470* |             |             |             |
|       | 600  | 4                   | 100            | 63642506199 | 66261131469* |             |             | 66623362932 |
|       | 800  | 4                   | 100            | 63642506200 | 66261131468* |             |             | 66623362931 |
| 8     | 80   | 4                   | 100            |             | 66261131617  |             |             |             |
|       | 120  | 4                   | 100            |             | 66261131615  |             |             |             |
|       | 150  | 4                   | 100            |             | 66261131614  |             |             |             |
|       | 180  | 4                   | 100            |             | 66261131613  |             |             |             |
|       | 320  | 4                   | 100            |             | 66261131612  |             |             |             |

\* PACKAGING STANDARDS A275 = 6/100

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





AVAILABILITY  
STICK AND SAND (PSA)  
LIGHT-WEIGHT DISC ROLLS  
VACUUM



TIER: **BETTER**

BRAND: Norton

CAP CODE: **A275 NO-FIL**

ABRASIVE: Aluminum Oxide

PAPER BACKING WEIGHT: B-Weight

OTHER: P-Graded



TIER: **GOOD**

BRAND: Norton

CAP CODE: **A290 NO-FIL**

ABRASIVE: Aluminum Oxide

PAPER BACKING WEIGHT: C-Weight

OTHER: P-Graded

| SIZE | GRIT | ROLLS/STD. PKG. | DISCS/ROLL  | PART #                          | ROLLS/STD. PKG. | DISCS/ROLL | PART #      |  |
|------|------|-----------------|-------------|---------------------------------|-----------------|------------|-------------|--|
|      |      |                 |             | <br>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 |                                 |                 |            |             |  |
|      |      |                 |             | <br>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                     |                 |            |             |  |

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



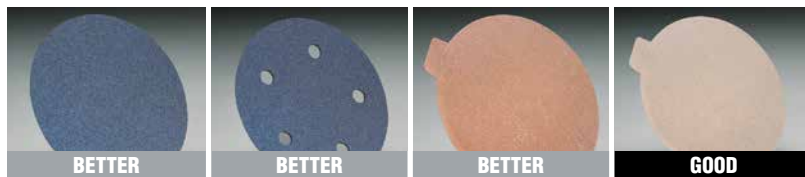
### PSA Disc Roll Dispenser

- 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


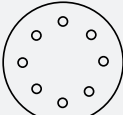
| DESCRIPTION                        | STD. PKG. | PART NO     |
|------------------------------------|-----------|-------------|
| <b>PSA Disc Roll Dispenser</b>     |           |             |
| Single Disc Roll Dispenser         | 1         | 63642542772 |
| Double Disc Roll Dispenser (shown) | 1         | 63642502981 |



AVAILABILITY  
STICK AND SAND  
(PSA) INDIVIDUAL  
DISCS



|                       |                  |                  |                    |                      |
|-----------------------|------------------|------------------|--------------------|----------------------|
| TIER:                 | <b>BETTER</b>    | <b>BETTER</b>    | <b>BETTER</b>      | <b>GOOD</b>          |
| BRAND:                | Norton           | Norton           | Norton             | Merit                |
| CAP CODE:             | <b>H875P</b>     | <b>H875P</b>     | <b>A275 NO-FIL</b> | <b>PB273 NO-LOAD</b> |
| ABRASIVE:             | Zirconia Alumina | Zirconia Alumina | Aluminum Oxide     | Aluminum Oxide       |
| PAPER BACKING WEIGHT: | E-Weight         | E-Weight         | B-Weight           | B-Weight             |
| FASTENING:            | PSA              | PSA Vacuum       | PSA Tabbed         | PSA Tabbed           |
| OTHER:                |                  |                  | P-Graded           | P-Graded             |

| SIZE | GRIT    | MIN./<br>STD PKG. | PART #      | PART #   | PART #      | PART #       |
|------|---------|-------------------|-------------|--|-------------|--------------|
| 5"   | 36      | 50/200            | 66261125436 |  |             |              |
|      | 40      | 50/200            | 66261125307 |  |             |              |
|      | 80      | 50/200            | 66261125244 |  |             | 69957348198‡ |
|      | 100     | 100/400           |             |  |             | 69957348200  |
|      | 120     | 100/400           |             |  |             | 69957348201  |
|      | 150     | 100/400           |             |  |             | 69957348202  |
|      | 180     | 100/400           |             |  |             | 69957348203  |
|      | 220     | 100/400           |             |  |             | 69957348204  |
|      | 240     | 100/400           |             |  |             |              |
|      | 320     | 100/400           |             |  |             | 69957348206  |
|      | 400     | 100/400           |             |  |             |              |
|      | 600     | 100/400           |             |  |             | 69957348223  |
|      | 800     | 100/400           |             |  |             |              |
|      | 1000    | 100/400           |             |  | 66261131450 |              |
| 1200 | 100/400 |                   |             | 66261131449  |             |              |
|      |         |                   |             |  <p>6" X 6 HOLE<br/>DIE #3371</p>   |             |              |
| 6"   | 36      | 50/200            | 66261123575 |  |             |              |
|      | 40      | 50/200            | 66261123574 | 66261123580  |             |              |
|      | 80      | 50/200            | 66261123573 |  |             |              |
|      | 1000    | 100/400           |             |  | 66261131467 |              |
|      | 1200    | 100/400           |             |  | 66261131466 |              |
|      | 1500    | 100/400           |             |  | 66261131465 |              |
|      |         |                   |             |  <p>8" X 8 HOLE<br/>DIE #3370</p> |             |              |
| 8"   | 36      | 25/100            | 66261123578 | 66261123584  |             |              |
|      | 40      | 25/100            | 66261123577 |  |             |              |
|      | 80      | 25/100            | 66261123576 | 66261123582  |             |              |

PACKAGING STANDARDS:  
MIN. / STD. PKG.  
‡ PB273 = 100/400

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



FEATURED PRODUCTS



**MULTI-AIR CYCLONIC HOOK AND 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)

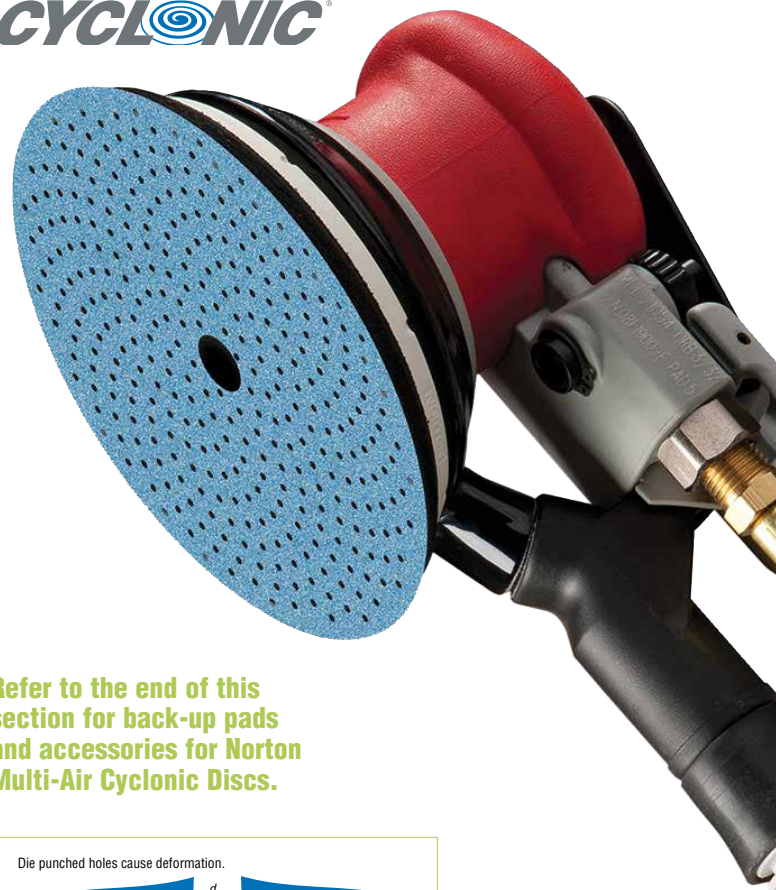
BENEFITS

- 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

AVAILABILITY

|                       |                    |            |
|-----------------------|--------------------|------------|
| TIER:                 | <b>BEST</b>        | <b>NEW</b> |
| BRAND:                | Norton             |            |
| TRADENAME:            | <b>A975 NO-FIL</b> |            |
| ABRASIVE:             | Ceramic Alumina    |            |
| PAPER BACKING WEIGHT: | B- & C-Weight      |            |
| OTHER:                | P-Graded           |            |

| SIZE        | GRIT   | MIN./STD PKG. | PART #      |
|-------------|--------|---------------|-------------|
| 5" x 11/16" | 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 |
| 6" x 11/16" | 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   |             |

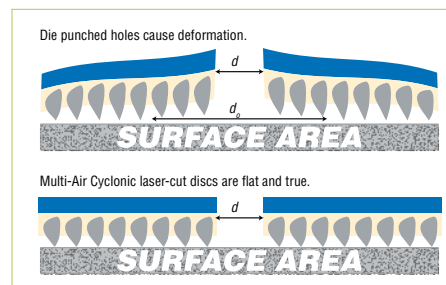


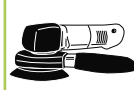
Refer to the end of this section for back-up pads and accessories for Norton Multi-Air Cyclonic Discs.

**Improved Dust Extraction / Increased Productivity**

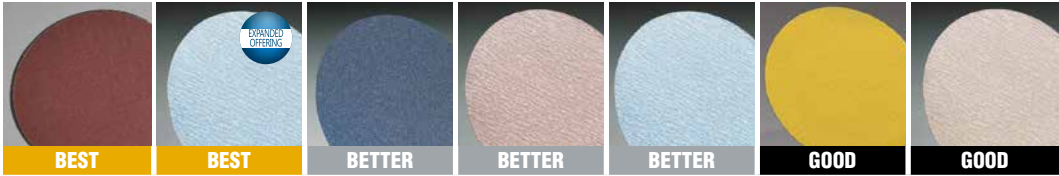
The upgrade to precise, flat, laser-cut holes instead of die-punched holes, dramatically increases surface area contact allowing Multi-Air Cyclonic discs to improve productivity by 32% versus conventional multi-hole sanding and by 60% versus non-vacuum sanding.

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.





AVAILABILITY  
HOOK AND LOOP  
INDIVIDUAL DISCS  
NON-VACUUM



|                       |                 |                    |                  |                    |                    |                    |                      |
|-----------------------|-----------------|--------------------|------------------|--------------------|--------------------|--------------------|----------------------|
| TIER:                 | <b>BEST</b>     | <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             | Merit                |
| CAP CODE:             | <b>H920</b>     | <b>A975 NO-FIL</b> | <b>H875P</b>     | <b>A275 NO-FIL</b> | <b>A475 NO-FIL</b> | <b>A290 NO-FIL</b> | <b>PB273 NO-LOAD</b> |
| ABRASIVE:             | Ceramic Alumina | Ceramic Alumina    | Zirconia Alumina | Aluminum Oxide     | Silicon Carbide    | Aluminum Oxide     | Aluminum Oxide       |
| PAPER BACKING WEIGHT: | F-Weight        | B- & C-Weight      | E-Weight         | B-Weight           | B-Weight           | C-Weight           | B-Weight             |
| OTHER:                |                 | P-Graded           |                  | P-Graded           | P-Graded           | P-Graded           | P-Graded             |

| SIZE | GRIT    | MIN./STD PKG. | PART #       | PART #       | PART #       | PART #      | PART #      | PART #      | PART #      |
|------|---------|---------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|
| 3"   | 80      | 50/200        |              | 63642505990  |              | 66261131532 |             |             |             |
|      | 100     | 50/200        |              |              |              | 66261144926 |             |             |             |
|      | 120     | 50/200        |              | 63642505991  |              | 66261128688 |             |             |             |
|      | 150     | 50/200        |              | 63642505992  |              | 66261140385 |             |             |             |
|      | 180     | 50/200        |              | 63642505993  |              | 66261131528 |             |             |             |
|      | 220     | 50/200        |              | 63642505994  |              | 66261131527 |             |             |             |
|      | 240     | 50/200        |              | 63642505995  |              | 66261131526 |             |             |             |
|      | 320     | 50/200        |              | 63642505996  |              | 66261131524 |             |             |             |
|      | 400     | 50/200        |              | 63642505997  |              | 66261136995 |             |             |             |
|      | 500     | 50/200        |              | 63642505998  |              | 66261131521 |             |             |             |
|      | 600     | 50/200        |              | 63642505999  |              | 66261136996 |             |             |             |
|      | 800     | 50/200        |              | 63642506000  |              | 66261131519 |             |             |             |
|      | 1000    | 50/200        |              | 63642506001  |              | 66261135900 |             |             |             |
|      | 1200    | 50/200        |              |              |              |             |             |             |             |
| 1500 | 50/200  |               | 63642506002  |              | 66261147434  |             |             |             |             |
| 5"   | 40      | 25/100        |              |              | 66261125684  |             |             |             |             |
|      | 60      | 100/400       | 66261149864* |              |              |             |             | 66261130224 |             |
|      | 80      | 100/400       | 66261149865* | 66261140522‡ | 66261125444• | 66261131549 |             | 66261149907 | 66623362950 |
|      | 100     | 100/400       | 66261149866* | 66261140521‡ |              | 66261131548 |             | 66261149906 | 66623365788 |
|      | 120     | 100/400       | 66261149867* | 66261140520‡ |              | 66261131547 |             | 66261149905 | 66623362949 |
|      | 150     | 100/400       |              | 66261140519‡ |              | 66261131546 |             | 66261149904 | 66623362948 |
|      | 180     | 100/400       |              | 66261140518‡ |              | 66261131545 |             | 66261149903 | 66623362947 |
|      | 220     | 100/400       |              | 66261149541‡ |              | 66261131544 |             | 66261149902 | 66623362946 |
|      | 240     | 100/400       |              | 66261149540‡ |              | 66261131543 |             |             | 66623362945 |
|      | 280     | 100/400       |              |              |              | 66261131542 |             |             |             |
|      | 320     | 100/400       |              | 66261149538‡ |              | 66261131541 |             | 66261149900 | 66623362944 |
|      | 400     | 100/400       |              | 66261149537‡ |              | 66261131539 | 66261052270 | 66261149899 | 66623362943 |
|      | 500     | 100/400       |              | 66254480233‡ |              | 66261131538 |             |             |             |
|      | 600     | 100/400       |              |              |              | 66261131537 | 66254421221 |             | 66623362942 |
|      | 800     | 100/400       |              | 66254480232‡ |              | 66261131536 | 66261052267 |             | 66623362941 |
|      | 1000    | 100/400       |              |              |              | 66261131535 | 66261052254 |             |             |
| 1200 | 100/400 |               |              |              | 66261131534  |             |             |             |             |
| 1500 | 100/400 |               |              |              | 66261131533  |             |             |             |             |
| 6"   | 36      | 25/100        |              |              | 66261123590  |             |             |             |             |
|      | 40      | 25/100        |              |              | 66261123589  |             |             |             |             |
|      | 80      | 100/400       |              | 66261140532‡ | 66261123588• | 66261131566 |             | 66261149916 | 66623362960 |
|      | 100     | 100/400       |              | 66261140531‡ |              | 66261131565 |             | 66261149915 | 66623365789 |
|      | 120     | 100/400       |              | 66261140530‡ |              | 66261131564 |             | 66261149914 | 66623362959 |
|      | 150     | 100/400       |              | 66261140529‡ |              | 66261131563 |             | 66261149913 | 66623362958 |
|      | 180     | 100/400       |              | 66261140528‡ |              | 66261131562 |             | 66261149912 | 66623362957 |
|      | 220     | 100/400       |              | 66261149546‡ |              | 66261131561 |             | 66261149911 | 66623362956 |
|      | 240     | 100/400       |              |              |              | 66261131560 |             |             | 66623362955 |
|      | 280     | 100/400       |              |              |              | 66261131559 |             | 66261149910 |             |
|      | 320     | 100/400       |              | 66261149543‡ |              | 66261131558 |             | 66261149909 | 66623362954 |
|      | 400     | 100/400       |              | 66261149542‡ |              | 66261131556 |             | 66261149908 | 66623362953 |
|      | 500     | 100/400       |              | 63642506202‡ |              | 66261131555 |             |             |             |
|      | 600     | 100/400       |              | 63642506203‡ |              | 66261131554 |             |             | 66623362952 |
|      | 800     | 100/400       |              | 63642506204‡ |              | 66261131553 | 66261052268 |             | 66623362951 |
|      | 1000    | 100/400       |              | 63642506375‡ |              | 66261131552 | 66261052255 |             |             |
| 1200 | 100/400 |               | 63642506376‡ |              | 66261131551  |             |             |             |             |
| 1500 | 100/400 |               | 63642506377‡ |              | 66261131550  |             |             |             |             |
| 8"   | 36      | 25/100        |              |              | 66261123593  |             |             |             |             |
|      | 40      | 25/100        |              |              | 66261123592  |             |             |             |             |
|      | 60      | 50/250        |              |              |              |             |             |             |             |
|      | 80      | 50/250        |              |              | 66261123591• |             |             |             |             |
|      | 100     | 50/250        |              |              |              |             |             |             |             |
|      | 120     | 100/400       |              |              |              | 66261131662 |             |             |             |
|      | 180     | 100/400       |              |              |              | 66261131661 |             |             |             |

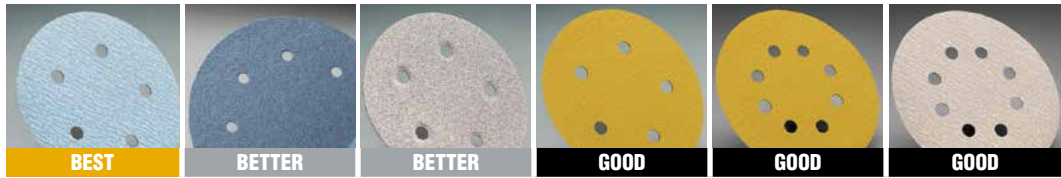
PACKAGING STANDARDS: MIN. / STD. PKG.

- \* H920 = 50/250
- ‡ A975 = 50/200
- H875P = 25/100










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



**AVAILABILITY  
HOOK AND LOOP  
INDIVIDUAL DISCS  
VACUUM**



|                       |                    |                  |                    |                    |                    |                      |
|-----------------------|--------------------|------------------|--------------------|--------------------|--------------------|----------------------|
| TIER:                 | <b>BEST</b>        | <b>BETTER</b>    | <b>BETTER</b>      | <b>GOOD</b>        | <b>GOOD</b>        | <b>GOOD</b>          |
| BRAND:                | Norton             | Norton           | Norton             | Norton             | Norton             | Merit                |
| CAP CODE:             | <b>A975 NO-FIL</b> | <b>H875P</b>     | <b>A275 NO-FIL</b> | <b>A290 NO-FIL</b> | <b>A290 NO-FIL</b> | <b>PB273 NO-LOAD</b> |
| ABRASIVE:             | Ceramic Alumina    | Zirconia Alumina | Aluminum Oxide     | Aluminum Oxide     | Aluminum Oxide     | Aluminum Oxide       |
| PAPER BACKING WEIGHT: | B- & C-Weight      | E-Weight         | B-Weight           | C-Weight           | C-Weight           | B-Weight             |
| OTHER:                | P-Graded           |                  | P-Graded           | P-Graded           | P-Graded           | P-Graded             |

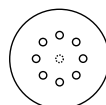
| SIZE | GRIT | MIN./<br>STD PKG. | PART #  | PART # | PART #  | PART #   | PART #  |
|------|------|-------------------|---|--------|---|--|---|
|      |      |                   |    |        |  |  |  |
|      |      |                   | 5 IN. X 5 HOLE<br>DIE #3328   |        | 5 IN. X 5 HOLE<br>DIE #3328   | 5 IN. X 5 HOLE<br>DIE #3328  | 5 IN. X 8 HOLE<br>DIE #3392   |
| 5    | 60   | 100/400           |   |        |   |  |   |
|      | 80   | 100/400           | 66261140517‡  |        | 66261131583   | 66261130235‡   | 66261130245‡  |
|      | 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 IN. X 6 HOLE<br>DIE #3371   |        | 6 IN. X 6 HOLE<br>DIE #3371   | 6 IN. X 6 HOLE<br>DIE #3371  | 6 IN. X 6 HOLE<br>DIE #3371   |
| 6    | 80   | 100/400           |   |        |   |  |   |
|      | 100  | 100/400           | 66261140527‡  |        | 66261131600   | 66261130255‡   |   |
|      | 120  | 100/400           |   |        | 66261131599   |  |   |
|      | 150  | 100/400           |   |        | 66261131598   | 66261130253‡   |   |
|      | 180  | 100/400           |   |        | 66261131597   |  | 66623367397   |
|      | 220  | 100/400           |   |        | 66261131596   | 66261130251‡   | 66623367398   |
|      | 280  | 100/400           |   |        | 66261131595   | 66261130250‡   | 66623367399   |
|      | 320  | 100/400           | 66261149553‡  |        | 66261131593   |  |   |
|      | 400  | 100/400           |   |        | 66261131592   |  | 66623367400   |
|      | 600  | 100/400           |   |        | 66261131590   |  | 66623367401   |
|      | 800  | 100/400           |   |        | 66261131588   |  |   |
|      | 1000 | 100/400           |   |        | 66261131587   |  |   |
|      | 1200 | 100/400           |   |        | 66261131586   |  |   |
|      | 1500 | 100/400           |   |        | 66261131585   |  |   |
|      |      |                   |   |        | 66261131584   |  |   |
|      |      |                   |  |        |   |  |   |
|      |      |                   | 8 IN. X 8 HOLE<br>DIE #3370   |        |   |  |   |
| 8    | 36   | 25/100            |   |        |   |  |   |
|      | 80   | 25/100            |   |        | 66261123598   |  |   |
|      |      |                   |   |        | 66261123596   |  |   |

PACKAGING STANDARDS: ‡ A975, A975 VACUUM, A290 VACUUM = 50/200



**For Fein/Festo Sanders**

High-performance abrasives for high performance sanders. Now available: No-Fil Norton Drylce A975 discs with center vacuum hole for Fein and Festo random orbital sanders.



6 IN. X 9 HOLE  
DIE #3408-2

|                       |                    |
|-----------------------|--------------------|
| TIER:                 | <b>BEST</b>        |
| BRAND:                | Norton             |
| CAP CODE:             | <b>A975 NO-FIL</b> |
| ABRASIVE:             | Ceramic Alumina    |
| PAPER BACKING WEIGHT: | B- & C-Weight      |
| OTHER:                | P-Graded           |

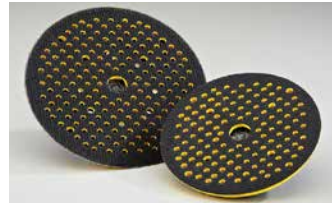
| SIZE | GRIT | STD. PKG. | PART #      |
|------|------|-----------|-------------|
| 6    | 80   | 50/200    | 07660705489 |
|      | 100  | 50/200    | 07660705488 |
|      | 120  | 50/200    | 07660705487 |
|      | 150  | 50/200    | 07660705486 |
|      | 220  | 50/200    | 07660705484 |



**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 & 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</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 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" x 7/8" Hook & Loop Pad                                      |          | 10        | 63642541947 |
| 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" PSA Medium Low-Profile with 6 vacuum holes                  | 15,000   | 5*        | 63642506134 |
| 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

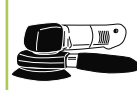


**Tapered Pads for Dual Action / Random Orbital Sanders**

- 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) 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



**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 uses 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 and 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 and 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 and Loop             | 5         | 63642503147 |
| 6" Hook and 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) 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 and 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 |



**CATEGORY DEFINITION**

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: P800-P1500  
 Foam Discs: P1500, P2000, P3000

**FEATURED PRODUCTS**



**NORTON PURE ICE FINISHING FILM Q175**

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

| FEATURES   | BENEFITS                                   |
|--|--|
| ■ White aluminum oxide grain and new patented resin system | ■ Better life, cut rate, and finish        |
| ■ 3 mil polyester backing                                  | ■ Better flexibility and flatness of discs |
| ■ Hook and loop attachment system                          | ■ Quick, easy mounting and removal         |
| ■ Color-coded backprint by grit size                       | ■ Easy grit identification                 |



**NORTON ICE FINISHING FOAM Q255**

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

| FEATURES                          | BENEFITS  |
|-----------------------------------|---|
| ■ Integrated foam backing         | ■ Eliminate pigtails and costly re-work           |
| ■ Open mesh design                | ■ Conformable to contours                         |
| ■ Produces a semi-polished finish | ■ Equal pressure distribution for quicker sanding |
|                                   | ■ Uniform scratch pattern                         |
|                                   | ■ Quick and easy to buff out                      |

**AVAILABILITY**

|                 |   |  |
|-----------------|---|--|
|                 |  |  |
| TIER:           | <b>BEST</b>   | <b>BEST</b>  |
| BRAND:          | Norton  | Norton   |
| TRADENAME:      | <b>PURE ICE Q175</b>  | <b>ICE Q255</b>  |
| ABRASIVE:       | Aluminum Oxide  | Aluminum Oxide   |
| BACKING WEIGHT: | 3 mil Polyester Film  | Foam   |
| OTHER:          | P-Graded  | P-Graded   |

| SIZE  | GRIT  | COLOR   | MIN./STD. PKG. | PART #      | MIN./STD. PKG.          | PART #                                    |
|-------|-------|---------|----------------|-------------|-------------------------|---|
| 3     | P800  | Black   | 50/200         | 77696088701 | 6/24<br>6/24            | 63642506022<br>63642506020                |
|       | P1000 | Red     | 50/200         | 77696088702 |                         |   |
|       | P1200 | Green   | 50/200         | 77696088703 |                         |   |
|       | P1500 | Blue    | 50/200         | 77696088704 |                         |   |
|       | P3000 | Green   | 50/200         | 77696088710 |                         |   |
| 5     | P800  | Black   | 50/200         | 77696088707 |                         |   |
|       | P1000 | Red     | 50/200         | 77696088708 |                         |   |
|       | P1200 | Green   | 50/200         | 77696088709 |                         |   |
|       | P1500 | Blue    | 50/200         | 77696088710 |                         |   |
| 6     | P800  | Black   | 50/200         | 77696088713 | 15/60<br>15/60<br>15/60 | 63642506015<br>63642506014<br>63642506013 |
|       | P1000 | Red     | 50/200         | 77696088714 |                         |   |
|       | P1200 | Green   | 50/200         | 77696088715 |                         |   |
|       | P1500 | Blue    | 50/200         | 77696088716 |                         |   |
|       | P2000 | Magenta | 50/200         |             |                         |   |
| P3000 | Green | 50/200  |                |             |                         |   |

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  
Ultra-Fine Machine Glaze**

- Use on its own for fine scratch removal or as Step 3 in place of Norton Liquid Ice Extra-Cut 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" and 9"  
Hook and Loop  
Buffing/Polishing Pads**

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



**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 and Loop Soft Low-Profile | 12,000   | 10        | 63642506128 |
| 6" Hook and Loop Soft Low-Profile | 12,000   | 5         | 63642506130 |



**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 (see page 212)

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



**8" Hook and Loop  
Buffing/Polishing  
Waffle Pads**

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

| 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 |



**3" Hook and 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 |



**Black Lambswool  
Hook and Loop  
Polishing Pads**

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

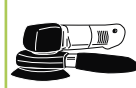
| DESCRIPTION                 | STD. CASE | PART #      |
|-----------------------------|-----------|-------------|
| 3" Pad with Loop – 3/4" nap | 40        | 63642503670 |
| 4" Pad with Loop – 3/4" nap | 250       | 63642503671 |



**Hook and 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 and Loop Back-up Pad | 1         | 3         | 63642542080 |



**CATEGORY DEFINITION**

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

- APPLICATIONS:** 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 – 320
- 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

**FEATURED PRODUCTS**



**NORTON BLAZE R980P**

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**

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**

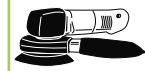
GOOD CHOICE FOR GENERAL PURPOSE METALWORKING

**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 for Random Orbital Sanders**

AVAILABILITY



TIER:

**BEST**

**GOOD**

BRAND:

Norton

Norton

TRADENAME:

**BLAZE R980P**

**METALITE R228**

ABRASIVE:

Ceramic Alumina

Aluminum Oxide

ATTACHMENT

PSA Discs

PSA Discs

**GOOD**

Norton

**METALITE R228**

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 |                        |             |
|          | 180    | 50/250          |             | 66261136581 |                        |             |
| 6        | 60     | 50/250          |             | 66261136596 |                        |             |
|          | 80     | 50/250          |             | 66261136595 |                        |             |
|          | 100    | 50/250          |             | 66261136594 |                        |             |
|          | 120    | 50/250          |             | 66261136593 |                        |             |
| 8        | 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 |             |                        |             |

**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 |

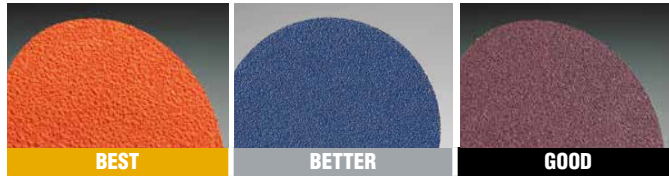




**Large Diameter Cloth PSA Discs**

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.

**AVAILABILITY**



|                    |                    |                       |                      |
|--------------------|--------------------|-----------------------|----------------------|
| <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                  |

| SIZE (D) | GRIT | MIN./STD. PKG. | PART #      | PART # | PART #      |
|----------|------|----------------|-------------|--------|-------------|
| 10       | 36   | 25/50          |             |        | 66261136606 |
|          | 40   | 25/50          |             |        | 66261136604 |
|          | 50   | 25/50          |             |        | 66261136607 |
|          | 60   | 25/50          |             |        | 66261136602 |
|          | 80   | 25/50          |             |        | 66261136601 |
|          | 100  | 25/50          |             |        | 66261136600 |
| 12       | 24   | 25/50          |             |        | 66261136635 |
|          | 36   | 25/50          |             |        | 66261136630 |
|          | 40   | 25/50          |             |        | 66261136625 |
|          | 50   | 25/50          |             |        | 66261136620 |
|          | 60   | 25/50          |             |        | 66261136615 |
|          | 80   | 25/50          |             |        | 66261136614 |
|          | 100  | 25/50          |             |        | 66261136613 |
|          | 120  | 25/50          |             |        | 66261136666 |
| 15       | 36   | 25/50          |             |        | 66261136665 |
|          | 40   | 25/50          |             |        | 66261136714 |
|          | 50   | 25/50          |             |        | 66261136663 |
|          | 60   | 25/50          |             |        | 66261136662 |
|          | 80   | 25/50          |             |        | 66261136700 |
| 16       | 36   | 25/50          |             |        | 66261136685 |
|          | 40   | 25/50          |             |        | 66261136684 |
|          | 50   | 25/50          |             |        | 66261136683 |
|          | 60   | 25/50          |             |        | 66261136701 |
|          | 80   | 25/50          |             |        | 66261136720 |
|          | 120  | 25/50          |             |        | 66261136723 |
| 18       | 36   | 25/50          |             |        | 66261136710 |
|          | 40   | 25/50          |             |        | 66261136709 |
|          | 50   | 25/50          |             |        | 66261136711 |
|          | 60   | 25/50          |             |        | 66261136712 |
|          | 80   | 25/50          |             |        | 66261136706 |
|          | 120  | 25/50          |             |        | 66261136718 |
| 20       | 36   | 25/50          | 66254416165 |        |             |
|          | 40   | 25/50          | 66254416167 |        |             |
|          | 50   | 25/50          | 66254416168 |        |             |
|          | 60   | 25/50          | 66254416169 |        |             |
|          | 80   | 25/50          | 66254416170 |        |             |
|          | 120  | 25/50          | 66261138343 |        |             |
| 24       | 36   | 10/10          |             |        | 66261138344 |
|          | 40   | 10/10          |             |        | 66261138346 |
|          | 50   | 10/10          |             |        | 66261136718 |
|          | 60   | 10/10          |             |        | 66261136717 |
|          | 80   | 10/10          |             |        | 66261136725 |
|          | 120  | 10/10          |             |        | 66261136726 |



**CATEGORY DEFINITION**

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:** 3/4" – 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

**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.

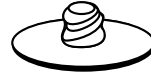
**Type TS (Type II)**

- 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

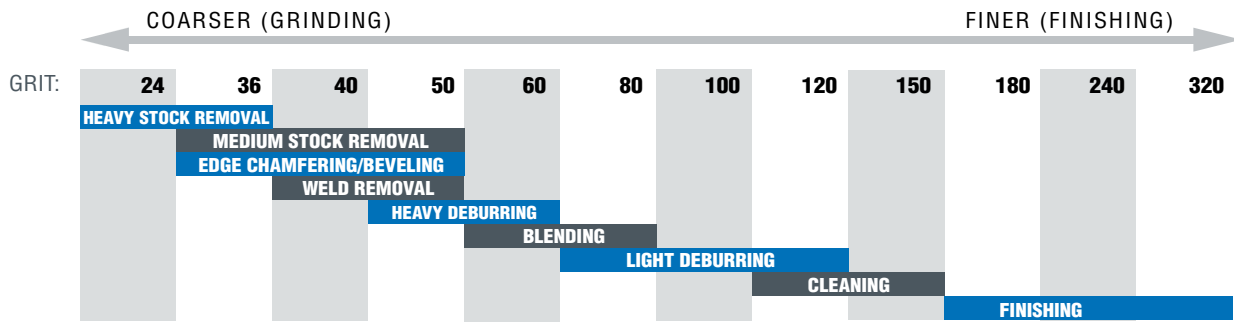
|                  |              |             |              |
|------------------|--------------|-------------|--------------|
| <b>3M</b>        | Roloc TS/TSM | Roloc TR    | Roloc TP     |
| <b>Standard</b>  | TS (SocAtt)  | TR (Lockit) | TP (ClickOn) |
| <b>Superior</b>  | Type S       | Type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



## MATERIAL/APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE

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

## APPLICATION/GRIT RECOMMENDATION GUIDE



## CROSS REFERENCE GUIDE

|                  | TOTAL PERFORMANCE ←                       |                        |                                   | INITIAL PRICE →                                    |                               |                     |
|------------------|---|------------------------|-----------------------------------|--|-------------------------------|---------------------|
| Abrasive         | <b>BEST</b><br>Ceramic Alumina Full Ratio |                        | <b>BETTER</b><br>Zirconia Alumina | <b>GOOD</b><br>Aluminum Oxide                      |                               |                     |
| Backing          | Fiber                                     | Cloth                  | Cloth                             | Cloth  | Cloth                         | Cloth               |
| <b>NORTON</b>    | Blaze F980                                | Blaze R980P            | BlueFire R884P                    | Neon R766  | –                             | –                   |
| <b>MERIT</b>     | –   | –                      | –                                 | –  | Aluminum Oxide                | Silicon Carbide     |
| <b>3M</b>        | 983C, 988C                                | 963G, 977F, 785C, 777F | –                                 | –  | 361F                          | 461F                |
| <b>Standard</b>  | –   | Ceramic Pro, Ceramic   | Zirconia                          | A/O Extra, A/O Pro                                 | A/O                           | Silicon Carbide     |
| <b>Superior</b>  | –   | Ceramic G.A.           | Premium Zirc                      | A/O with Grinding Aid                              | Premium A/O, Rigid Kut A/O    | –                   |
| <b>Arc</b>       | –   | –                      | Zirconia/ Y Standard              | A/O/X Plus Coolant                                 | A/O/Y Premium                 | –                   |
| <b>Pferd</b>     | Ceramic Oxide CO                          | Ceramic                | ZA Z                              | Aluminum Oxide A-Plus, Aluminum Oxide A-INOX-FORTE | Aluminum Oxide A, A/O A-FORTE | Silicon Carbide SiC |
| <b>Sait</b>      | –   | –                      | Z                                 | 3A   | 2A-H, 2A                      | –                   |
| <b>Camel</b>     | –   | –                      | Zirconia A0                       | –  | Aluminum Oxide                | –                   |
| <b>Klingspor</b> | –   | Ceramic                | Alumina Zirconia                  | –  | Aluminum Oxide                | –                   |
| <b>Garryson</b>  | –   | Ceramic                | –                                 | –  | Aluminum Oxide                | –                   |



FEATURED PRODUCTS



EXPANDED OFFERING

**NORTON BLAZE F980 CERAMIC FIBER DISCS**

BEST CHOICE FOR TOUGH APPLICATIONS AND STAINLESS STEEL

FEATURES AND BENEFITS

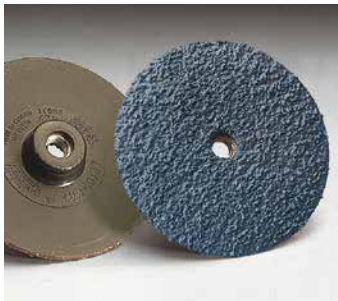
- Norton SG ceramic grain with self-lubricating, supersize treatment provides coolest cut with significantly faster cut rates
- Heaviest fiber backing, greater durability, longest life, and edge-fray resistance

AVAILABILITY

|             |                    |
|-------------|--------------------|
| TIER:       | <b>BEST</b>        |
| BRAND:      | Norton             |
| TRADENAME:  | <b>BLAZE F980</b>  |
| ABRASIVE:   | Ceramic Alumina    |
| BACKING:    | Fiber – Heavy Duty |
| OTHER:      | Supersized         |
| 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 |



**NORTON NORKUT ZIRCONIA DISCS**

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

AVAILABILITY

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



**NORTON BLAZE R980P CERAMIC CLOTH DISCS**

BEST CHOICE FOR TOUGH APPLICATIONS AND STAINLESS STEEL (3-PLY) OR CONTOURED SURFACES (1-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
- NEW! 1-ply laminate discs (black backing) provide durability and long life, but are more conformable and flexible; ideal on contoured surfaces or any application where added flexibility is needed. Used in aircraft and aerospace manufacturing for structural hand polishing.

AVAILABILITY

| TIER:       | BEST                          |                                |                               |                                |
|-------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|
| BRAND:      | Norton                        |                                |                               |                                |
| TRADENAME:  | BLAZE R980P                   |                                |                               |                                |
| ABRASIVE:   | Ceramic Alumina               |                                |                               |                                |
| BACKING:    | Polyester<br>3-Ply Heavy Duty | Polyester<br>1-Ply Conformable | Polyester<br>3-Ply Heavy Duty | Polyester<br>1-Ply Conformable |
| OTHER:      | Supersized                    |                                |                               |                                |
| ATTACHMENT: | TS (Type II)                  | TS (Type II)                   | TR (Type III)                 | TR (Type III)                  |

| SIZE (D) | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      |
|----------|------|-----------|-------------|-------------|-------------|-------------|
| 1-1/2    | 36   | 100       | 66261162307 | 77696088201 | 66261162308 |             |
|          | 50   | 100       | 66261162309 | 77696088202 | 66261162310 |             |
|          | 60   | 100       | 66261162311 | 77696088203 | 66261162312 |             |
|          | 80   | 100       | 66261162313 | 77696088204 | 66261162314 |             |
|          | 120  | 100       | 66261043379 | 77696088206 | 66261043380 |             |
| 2        | 36   | 25        | 66261162317 | 77696088207 | 66261162318 | 77696088219 |
|          | 50   | 25        | 66261162319 | 77696088208 | 66261162320 | 77696088220 |
|          | 60   | 25        | 66261162321 | 77696088209 | 66261162322 | 77696088221 |
|          | 80   | 25        | 66261162323 | 77696088210 | 66261162324 | 77696088222 |
|          | 100  | 25        | 66261043382 | 77696088211 | 66261043383 | 77696088223 |
| 3        | 120  | 25        | 66261043384 | 77696088212 | 66261043386 | 77696088224 |
|          | 36   | 25        | 66261162327 | 77696088213 | 66261162328 | 77696088225 |
|          | 50   | 25        | 66261162329 | 77696088214 | 66261162330 | 77696088226 |
|          | 60   | 25        | 66261162331 | 77696088215 | 66261162332 | 77696088227 |
|          | 80   | 25        | 66261162333 | 77696088216 | 66261162334 | 77696088228 |
|          | 100  | 25        | 66261043389 | 77696088217 | 66261043390 | 77696088229 |
|          | 120  | 25        | 66261043391 | 77696088218 | 66261043392 | 77696088230 |









**NORTON BLUEFIRE R884P ZIRCONIA CLOTH DISCS**

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-wt, 2-ply polyester backing stands up to demanding applications: high-pressure and hard-to-grind exotic alloy

AVAILABILITY

|             |   |  |
|-------------|---|--|
| TIER:       | <b>BETTER</b>   | <b>BETTER</b>  |
| BRAND:      | Norton  | Norton   |
| TRADENAME:  | <b>BLUEFIRE R884P</b>   | <b>BLUEFIRE R884P</b>  |
| ABRASIVE:   | Zirconia Alumina  | Zirconia Alumina   |
| BACKING:    | Polyester Standard  | Polyester Standard   |
| ATTACHMENT: | TS (Type II)<br> | TR (Type III)<br> |

| SIZE (D) | GRIT | STD. PKG. | PART #      | PART #      |
|----------|------|-----------|-------------|-------------|
| 1        | 50   | 100       | 66261138609 |             |
|          | 60   | 100       | 66261138608 |             |
|          | 80   | 100       | 66261138607 |             |
| 1-1/2    | 36   | 100       | 66261138624 | 66261121041 |
|          | 50   | 100       | 66261138622 |             |
|          | 60   | 100       | 66261138621 | 66261121043 |
|          | 80   | 100       | 66261138620 | 66261121044 |
| 2        | 24   | 25        | 66261138638 | 66261138672 |
|          | 36   | 25        | 66261138637 | 66261138671 |
|          | 50   | 25        | 66261138635 | 66261138670 |
|          | 60   | 25        | 66261138634 | 66261121048 |
|          | 80   | 25        | 66261138633 | 66261121049 |
| 3        | 24   | 25        | 66261138665 | 66261138675 |
|          | 36   | 25        | 66261138664 | 66261138674 |
|          | 50   | 25        | 66261138662 | 66261138673 |
|          | 60   | 25        | 66261138661 | 66261121053 |
|          | 80   | 25        | 66261138660 | 66261121054 |
| 4        | 36   | 25        | 66261138683 |             |
|          | 50   | 25        | 66261138681 |             |
|          | 60   | 25        | 66261137343 |             |
|          | 80   | 25        | 66261138679 |             |



**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



**NORTON NEON R766 ALUMINUM OXIDE CLOTH DISCS**

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

**FEATURES AND BENEFITS**

- Premium abrasive and aluminum oxide blend for aggressive cut and longer life than competitive aluminum oxide discs
- Durable Y-weight 2-ply polyester backing and new grain coating for longer life and faster cut rate on moderately-demanding applications
- Great for difficult-to-grind materials (aluminum, brass, bronze, stainless, carbon steel, and titanium) and applications requiring an economical option
- NEW! vendible packs, ideal for vending machines, small jobs, or carrying to a job site



**AVAILABILITY**

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



| SIZE (D) | GRIT | STD. PKG.   | PART #      | PART #      | PART #      |
|----------|------|-------------|-------------|-------------|-------------|
| 3/4      | 36   | 100         |             |             | 66623318933 |
|          | 50   | 100         |             |             | 66623318935 |
|          | 80   | 100         |             |             | 66623318937 |
| 1        | 36   | 100         | 66623318957 |             | 66623318950 |
|          | 40   | 100         |             |             | 66623318951 |
|          | 50   | 100         | 66623318959 |             | 66623318952 |
|          | 60   | 100         | 66623318960 |             | 66623318953 |
|          | 80   | 100         | 66623318961 |             | 66623318956 |
| 1-1/2    | 36   | 100         | 66623318972 | 66623318977 | 66623318967 |
|          | 40   | 100         | 66623318973 | 66623318978 | 66623318968 |
|          | 50   | 100         | 66623318974 | 66623318979 | 66623318969 |
|          | 60   | 100         | 66623318975 | 66623318980 | 66623318970 |
|          | 80   | 100         | 66623318976 | 66623318981 | 66623318971 |
| 2        | 24   | 100         | 66623319011 | 66623319013 | 66623319010 |
|          | 36   | 100         | 66623318999 | 66623319005 | 66623318993 |
|          | 40   | 100         | 66623319000 | 66623319006 | 66623318994 |
|          | 50   | 100         | 66623319001 | 66623319007 | 66623318995 |
|          | 60   | 100         | 66623319003 | 66623319008 | 66623318996 |
|          | 80   | 100         | 66623319004 | 66623319009 | 66623318997 |
| 2        | 36   | 40 <b>V</b> | 66623341058 | 66623341059 |             |
|          | 40   | 40 <b>V</b> | 66623341060 | 66623341061 |             |
|          | 50   | 40 <b>V</b> | 66623341062 | 66623341063 |             |
|          | 60   | 40 <b>V</b> | 66623341064 | 66623341065 |             |
|          | 80   | 40 <b>V</b> | 66623341066 | 66623341067 |             |
| 3        | 24   | 50          | 66623319020 | 66623319026 | 66623319014 |
|          | 36   | 50          | 66623319021 | 66623319027 | 66623319015 |
|          | 40   | 50          | 66623319022 | 66623319028 | 66623319016 |
|          | 50   | 50          | 66623319023 | 66623319029 | 66623319017 |
|          | 60   | 50          | 66623319024 | 66623319030 | 66623319018 |
|          | 80   | 50          | 66623319025 | 66623319031 | 66623319019 |
| 3        | 36   | 20 <b>V</b> | 66623341072 | 66623341073 |             |
|          | 40   | 20 <b>V</b> | 66623341074 | 66623341075 |             |
|          | 50   | 20 <b>V</b> | 66623341076 | 66623341077 |             |
|          | 60   | 20 <b>V</b> | 66623341078 | 66623341079 |             |
|          | 80   | 20 <b>V</b> | 66623341080 | 66623341081 |             |
| 4        | 36   | 50          |             | 66623319036 |             |
|          | 60   | 50          |             |             | 66623319033 |

**V** = VENDIBLE PACKAGE. 2" DISCS: 10 DISCS PER PACK / 4 PACKS PER CARTON. ORDER IN MULTIPLES OF 40.

**V** = VENDIBLE PACKAGE. 3" DISCS: 5 DISCS PER PACK / 4 PACKS PER CARTON. ORDER IN MULTIPLES OF 20.






**MERIT ALUMINUM OXIDE CLOTH DISCS**

GOOD CHOICE WHEN INITIAL PRICE IS THE PRIMARY CONSIDERATION

**FEATURES AND BENEFITS**

- Premium abrasive and aluminum oxide blend for aggressive cut and longer life than competitive aluminum oxide discs
- Durable Y-weight 2-ply polyester backing and new grain coating for longer life and faster cut rate on moderately-demanding applications
- Great for difficult-to-grind materials (aluminum, brass, bronze, stainless, carbon steel, and titanium) and applications requiring an economical option

AVAILABILITY

|             |   |  |  |
|-------------|---|--|--|
| TIER:       | <b>GOOD</b>   | <b>GOOD</b>  | <b>GOOD</b>  |
| BRAND:      | Merit   | Merit  | Merit  |
| ABRASIVE:   | Aluminum Oxide  | Aluminum Oxide   | Aluminum Oxide   |
| BACKING:    | Polyester Standard  | Polyester Standard   | Polyester Standard   |
| ATTACHMENT: | TS (Type II)<br> | TR (Type III)<br> | TP (Type I)<br> |

| SIZE (D) | GRIT | STD. PKG.   | PART #      | PART #      | PART #      |
|----------|------|-------------|-------------|-------------|-------------|
| 3/4      | 24   | 100         | 69957399601 | 69957399669 | 69957399737 |
|          | 36   | 100         | 69957399602 | 69957399670 | 69957399738 |
|          | 40   | 100         | 69957399603 | 69957399671 | 69957399739 |
|          | 50   | 100         | 69957399604 | 69957399672 | 69957399740 |
|          | 60   | 100         | 69957399605 | 69957399673 | 69957399741 |
|          | 80   | 100         | 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         | 69957399614 | 69957399682 | 69957399750 |
|          | 40   | 100         | 69957399615 | 69957399683 | 69957399751 |
|          | 50   | 100         | 69957399616 | 69957399684 | 69957399752 |
|          | 60   | 100         | 69957399617 | 69957399685 | 69957399753 |
|          | 80   | 100         | 69957399618 | 69957399686 | 69957399754 |
|          | 100  | 100         | 69957399619 | 69957399687 | 69957399755 |
|          | 120  | 100         | 69957399620 | 69957399688 | 69957399756 |
|          | 150  | 100         | 69957399621 | 69957399689 | 69957399757 |
|          | 180  | 100         | 69957399622 | 69957399690 | 69957399758 |
|          | 240  | 100         | 69957399623 | 69957399691 | 69957399759 |
| 320      | 100  | 69957399624 | 69957399692 | 69957399760 |             |
| 1-1/2    | 24   | 100         | 69957399625 | 69957399693 | 69957399761 |
|          | 36   | 100         | 69957399626 | 69957399694 | 69957399762 |
|          | 40   | 100         | 69957399627 | 69957399695 | 69957399763 |
|          | 50   | 100         | 69957399628 | 69957399696 | 69957399764 |
|          | 60   | 100         | 69957399629 | 69957399697 | 69957399765 |
|          | 80   | 100         | 69957399630 | 69957399698 | 69957399766 |
|          | 100  | 100         | 69957399631 | 69957399699 | 69957399767 |
|          | 120  | 100         | 69957399632 | 69957399700 | 69957399768 |
|          | 150  | 100         | 69957399633 | 69957399701 | 69957399769 |
|          | 180  | 100         | 69957399634 | 69957399702 | 69957399770 |
|          | 240  | 100         | 69957399635 | 69957399703 | 69957399771 |
| 320      | 100  | 69957399636 | 69957399704 | 69957399772 |             |
| 2        | 24   | 100         | 69957399637 | 69957399705 | 69957399773 |
|          | 36   | 100         | 69957399638 | 69957399706 | 69957399774 |
|          | 40   | 100         | 69957399639 | 69957399707 | 69957399775 |
|          | 50   | 100         | 69957399640 | 69957399708 | 69957399776 |
|          | 60   | 100         | 69957399641 | 69957399709 | 69957399777 |
|          | 80   | 100         | 69957399642 | 69957399710 | 69957399778 |
|          | 100  | 100         | 69957399643 | 69957399711 | 69957399779 |
|          | 120  | 100         | 69957399644 | 69957399712 | 69957399780 |
|          | 150  | 100         | 69957399645 | 69957399713 | 69957399781 |
|          | 180  | 100         | 69957399646 | 69957399714 | 69957399782 |
|          | 240  | 100         | 69957399647 | 69957399715 | 69957399783 |
| 320      | 100  | 69957399648 | 69957399716 | 69957399784 |             |

CONTINUED



AVAILABILITY  
CONTINUED

|                              |                              |                              |
|------------------------------|------------------------------|------------------------------|
|                              |                              |                              |
| <b>GOOD</b>                  | <b>GOOD</b>                  | <b>GOOD</b>                  |
| TIER: Merit                  | TIER: Merit                  | TIER: Merit                  |
| BRAND: Aluminum Oxide        | BRAND: Aluminum Oxide        | BRAND: Aluminum Oxide        |
| ABRASIVE: Polyester Standard | ABRASIVE: Polyester Standard | ABRASIVE: Polyester Standard |
| BACKING: TS (Type II)        | BACKING: TR (Type III)       | BACKING: TP (Type I)         |



| SIZE (D) | GRIT | STD. PKG.   | PART #      | PART #      | PART #      |
|----------|------|-------------|-------------|-------------|-------------|
| 3        | 24   | 50          | 69957399649 | 69957399717 | 69957399785 |
|          | 36   | 50          | 69957399650 | 69957399718 | 69957399786 |
|          | 40   | 50          | 69957399651 | 69957399719 | 69957399787 |
|          | 50   | 50          | 69957399652 | 69957399720 | 69957399788 |
|          | 60   | 50          | 69957399653 | 69957399721 | 69957399789 |
|          | 80   | 50          | 69957399654 | 69957399722 | 69957399790 |
|          | 100  | 50          | 69957399655 | 69957399723 | 69957399791 |
|          | 120  | 50          | 69957399656 | 69957399724 | 69957399792 |
|          | 150  | 50          | 69957399657 | 69957399725 | 69957399793 |
|          | 180  | 50          | 69957399658 | 69957399726 | 69957399794 |
|          | 240  | 50          | 69957399659 | 69957399727 | 69957399795 |
| 320      | 50   | 69957399660 | 69957399728 | 69957399796 |             |
| 4        | 36   | 50          | 69957399661 | 69957399729 | 69957399797 |
|          | 40   | 50          | 69957399662 | 69957399730 | 69957399798 |
|          | 50   | 50          | 69957399663 | 69957399731 | 69957399799 |
|          | 60   | 50          | 69957399664 | 69957399732 | 69957399800 |
|          | 80   | 50          | 69957399665 | 69957399733 | 69957399801 |
|          | 100  | 50          | 69957399666 | 69957399734 | 69957399802 |
|          | 120  | 50          | 69957399667 | 69957399735 | 69957399803 |
|          | 180  | 50          | 69957399668 | 69957399736 | 69957399804 |



**MERIT SILICON CARBIDE CLOTH DISCS**  
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

AVAILABILITY

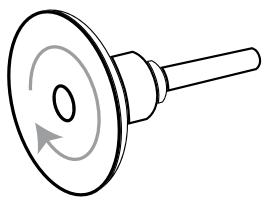
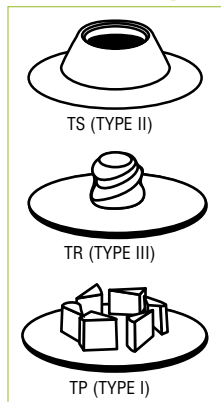
|                           |                           |                           |
|---------------------------|---------------------------|---------------------------|
|                           |                           |                           |
| <b>GOOD</b>               | <b>GOOD</b>               | <b>GOOD</b>               |
| TIER: Merit               | TIER: Merit               | TIER: Merit               |
| BRAND: Silicon Carbide    | BRAND: Silicon Carbide    | BRAND: Silicon Carbide    |
| ABRASIVE: Cotton Standard | ABRASIVE: Cotton Standard | ABRASIVE: Cotton Standard |
| BACKING: TS (Type II)     | BACKING: TR (Type III)    | BACKING: 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       | 08834165257 | 08834164837 | 08834162171 |
|          | 180  | 100       | 08834165259 | 08834167313 | 08834162173 |
| 3        | 40   | 50        | 08834165267 | 08834164277 |             |
|          | 60   | 50        | 08834165269 | 08834164850 |             |
|          | 80   | 50        | 08834165270 | 08834166159 | 08834162188 |
|          | 120  | 50        | 08834165272 | 08834166160 | 08834162190 |
|          | 180  | 50        | 08834165274 | 08834168177 | 08834164971 |



## 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                | TS (TYPE II)                              | TR (TYPE III)                             | TP (TYPE I)                               |
|---|------------------------|---|---|---|
| <b>Quick-Change Back-up Pads</b>          |                        |   |   |   |
| 9/16"<br>40,000 RPM                       |                        | 66261054014                               |   | 66261054013                               |
| 3/4"<br>40,000 RPM                        | Medium                 | 08834164206                               | 08834164038                               | 08834164001                               |
| 1"<br>40,000 RPM                          | Medium                 | 08834164651                               | 08834164037                               | 08834164002                               |
| 1-1/2"<br>30,000 RPM                      | Hard<br>Medium         | 08834164622<br>08834164146                | 08834164640<br>08834161174                | 08834163996<br>08834164003                |
| 2"<br>30,000 RPM                          | Hard<br>Medium<br>Soft | 08834164624<br>08834164198<br>08834161625 | 08834164643<br>08834164922<br>08834164641 | 08834163997<br>08834164004<br>08834163949 |
| 3"<br>20,000 RPM                          | Hard<br>Medium<br>Soft | 08834161626<br>08834164113<br>08834164626 | 08834164036<br>08834164949<br>08834164644 | 08834163998<br>08834164005<br>08834163948 |
| 4"<br>15,000 RPM                          | Medium                 | 08834164135                               | 08834164655                               | 08834164006                               |
| <b>Vendible Quick-Change Back-up Pads</b> |                        |   |   |   |
| 2" Vendible<br>30,000 RPM                 | Medium                 | 66623341082                               | 66623341083                               |   |
| 3" Vendible<br>20,000 RPM                 | Medium                 | 66623341084                               | 66623341085                               |   |



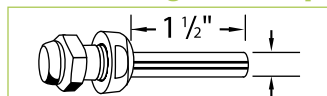
ALL QUICK-CHANGE BACK-UP PADS HAVE A 1/4" SOLID STEEL SHANK. STD. PKG. = 1 VENDOR 2" 10 DISCS/PACK; 3" 5 DISCS/PACK; 2" AND 3" 4 PACKS PER CARTON TO ORDER NORTON QUICK-CHANGE BACK-UP PADS, SEE PAGE 183 (NON-WOVEN DISC SECTION)

## Replacement Medium Density Rubber Pads for Quick-Change Back-up Pads

| DIAMETER  | MODEL # | TP (TYPE I) |
|---|---------|-------------|
| <b>Quick-Change Replacement Rubber Back-up Pads</b> |         |             |
| 3/4"  | RR75    | 08834164008 |
| 1"  | RR10    | 08834164009 |
| 2"  | RR20    | 08834164011 |
| 3"  | RR30    | 08834164012 |
| 4"  | RR40    | 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. STD. PKG. = 1

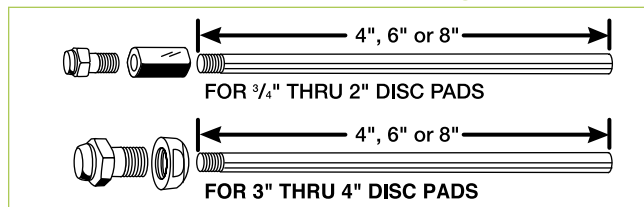
## Replacement Assemblies and Shanks for Quick-Change Back-up Pad



| 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 |

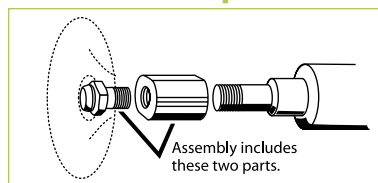
ASSEMBLIES REPLACE ALL THE STEEL COMPONENTS OF A QUICK-CHANGE BACK-UP PAD. THIS SHANK REPLACES THE SCREW-IN 1/4" SOLID STEEL SHANK ONLY.

## 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 |

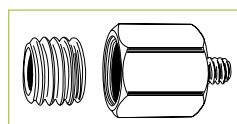
## MNA-1 Pad Adapters



| DISC DIAMETER                           | MODEL #         | 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

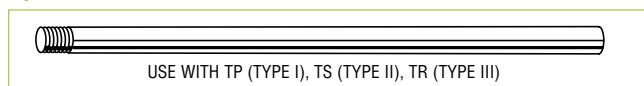
## MNA-23 Pad Adapters



| 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<br>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.

## 1/4" Diameter Extension Mandrel



| 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 |



**CATEGORY DEFINITION**

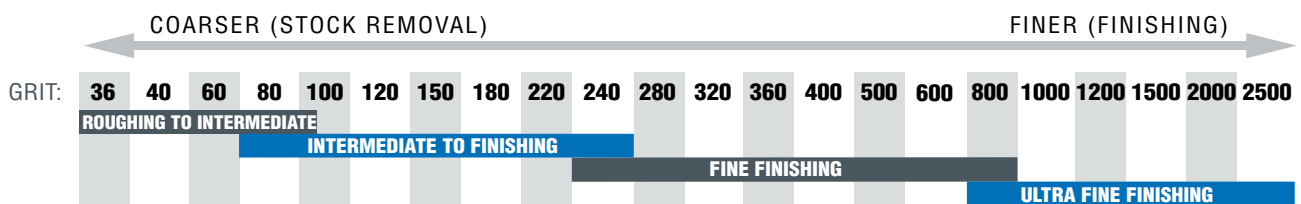
Paper sheets and rolls are engineered for optimum performance when sanding metal, wood, composites and painted surfaces. The sheets are packed in protective packaging to eliminate waste and permit easy, neat storage.

- 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:** Heavy-weight – E; Light-weight – A and D

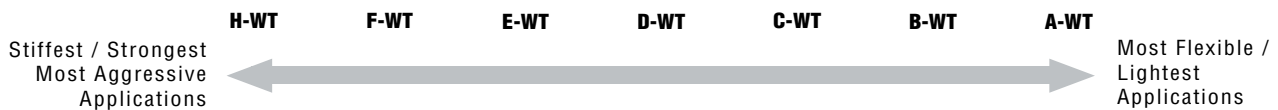
**MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE**

|   | <b>BEST</b><br>Highest Productivity – Lowest Total Cost | <b>BETTER</b><br>Excellent Blend of Performance & Price | <b>GOOD</b><br>Consistent Performance – Low Initial Price |
|---|---|---|---|
| Unfinished Metal                          | A275  | –   | PB273   |
| Primed / Painted Surfaces / Between Coats | A275  | A475  | PB273   |
| Fiberglass / Composites                   | A275  | A475  | PB273   |
| Bare Wood                                 | A275  | –   | A511, A513, A514  |
| Clear Coat Sanding                        | T214, T401  | –   | T461  |
| Sealer Sanding                            | A275  | A475  | PB273   |
| Lacquer Sanding                           | T214, T401  | T414  | T461  |
| Wet Sanding                               | T214, T401  | T414  | T461  |
| Paint Stripping                           | A275, A259 (3X)   | A475  | A290  |
| All Purpose Dry Sanding                   | A275, A259 (3X)   | –   | A212, A213, A211  |

**APPLICATION/GRIT RECOMMENDATION GUIDE**



**RECOMMENDED BACKING WEIGHT**





CROSS REFERENCE GUIDE

| NORTON                        | 3M                     | Hermes        | Klingspor  | Mirka                | SIA                              | VSM           |
|-------------------------------|------------------------|---------------|------------|----------------------|----------------------------------|---------------|
| <b>Stearted (Non-Loading)</b> |                        |               |            |                      |                                  |               |
| A975                          | 734U, 735U, 765L, 334U | –             | –          | –                    | 1950 siaspeed                    | –             |
| A275 / A259 (3X)              | 216U, 334U             | HC133         | PS33       | Royal, Royal Micro   | 1950 siaspeed                    | –             |
| A475                          | 405N, 414N, 415N/U     | PSF-LL, SA168 | PL35       | Carat Flex, FineFlex | 1701 sialac<br>1748 siarexx fine | CP131A        |
| A290                          | 236U                   | HCAB-LL       | PS33, PL36 | Bulldog Gold         | 1960 siarexx cut                 | KP911         |
| PB273                         | Red, NX                | –             | PL36       | GoldFlex             | –                                | –             |
| <b>Waterproof</b>             |                        |               |            |                      |                                  |               |
| T214                          | 213Q                   | WAFlex28B     | PS12       | –                    | 1913 siawat                      | –             |
| T401                          | 401Q                   | WSFlex16      | PS11, PS14 | Waterproof (A)       | –                                | CP918A        |
| T414                          | 413Q                   | WSFlex16      | PS11, PS14 | Waterproof (A)       | –                                | CP918A        |
| 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         |
| A511                          | 110N                   | –             | –          | –                    | 1400 sianor                      | –             |
| A513                          | 130N                   | GCAB          | –          | –                    | –                                | –             |
| A514                          | 140N                   | GCAB          | –          | –                    | –                                | –             |
| <b>Heavyweight Paper</b>      |                        |               |            |                      |                                  |               |
| H875P                         | 750U, 751U, 740I, 745I | –             | –          | Royal Coarse Cut     | –                                | KP510E, KP709 |

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

AVAILABILITY  
9 X 11  
PAPER SHEETS

|                 |                |                |                |                     |               |              |                          |
|-----------------|----------------|----------------|----------------|---------------------|---------------|--------------|--------------------------|
|                 |                |                |                |                     |               |              |                          |
| TIER:           | GOOD           | GOOD           | GOOD           | GOOD                | GOOD          | GOOD         | GOOD                     |
| BRAND:          | Norton         | Norton         | Norton         | Norton              | Norton        | Norton       | Norton                   |
| TRADENAME:      | A211           | A213           | A212           | A213/A212 MULTISAND | A513          | A511         | A513/A511 WOODSAND       |
| 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 #                   |
| 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 07660701584* |
|                 | 100            | 100/500        |                | 66261100295         |               | 66261101535  | 66261101500 07660701583* |
|                 | 120            | 100/500        |                | 66261100290         |               | 66261101530  | 66261101495 07660701582* |
|                 | 150            | 100/500        |                | 66261100285         |               | 66261101525  | 66261101490 07660701581* |
|                 | 180            | 100/500        |                |                     | 66261100245   | 07660700355* | 66261101489 07660701580* |
|                 | 220            | 100/500        |                |                     | 07660700156   | 07660700354* | 66261101488 07660701579* |
|                 | 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

### FEATURED PRODUCTS



#### NO-FIL NORTON ADALOX A275

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



#### NO-FIL NORTON DURITE A475

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

### AVAILABILITY 9 X 11 PAPER SHEETS



|                 |                    |                         |                    |                     |
|-----------------|--------------------|-------------------------|--------------------|---------------------|
| TIER:           | <b>BEST</b>        | <b>BEST</b>             | <b>BETTER</b>      | <b>GOOD</b>         |
| BRAND:          | Norton             | Norton                  | Norton             | Merit               |
| CAP CODE:       | <b>A275 NO-FIL</b> | <b>A259 (3X) NO-FIL</b> | <b>A475 NO-FIL</b> | <b>PB273 NO-FIL</b> |
| ABRASIVE:       | Aluminum Oxide     | Aluminum Oxide          | Silicon Carbide    | Aluminum Oxide      |
| BACKING WEIGHT: | B-Weight           | 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         |             | 07660702642* |             |             |
|              | 80      | 50/250         | 66261131634 | 07660702641* | 66254487393 | 66623311878 |
|              | 100     | 100/500        | 66261131633 | 07660702640* | 66254487394 | 66623311877 |
|              | 120     | 100/500        | 66261131632 | 07660702639* | 66254487395 | 66623311876 |
|              | 150     | 100/500        | 66261131631 | 07660702638* | 66254487396 | 66623311875 |
|              | 180     | 100/500        | 66261131630 | 07660702637* | 66254487397 | 66623311874 |
|              | 220     | 100/500        | 66261131629 | 07660702636* | 66254487398 | 66623311873 |
|              | 240     | 100/500        | 66261131628 |              | 66254487399 | 66623311879 |
|              | 280     | 100/500        | 66261131627 |              |             |             |
|              | 320     | 100/500        | 66261131626 | 07660702633* | 66254487400 | 66623311871 |
|              | 400     | 100/500        | 66261131624 | 07660702632* |             | 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    |             |              |             |             |

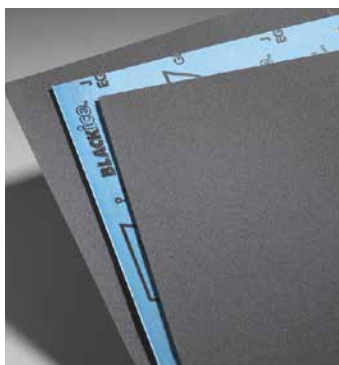
\* PACKAGING STANDARDS: A259 (3X) JOB PACKS: 20 SHEETS PER PACK / 10 PACKS PER STANDARD PACKAGE FOR A TOTAL OF 200 SHEETS





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

### FEATURED PRODUCTS



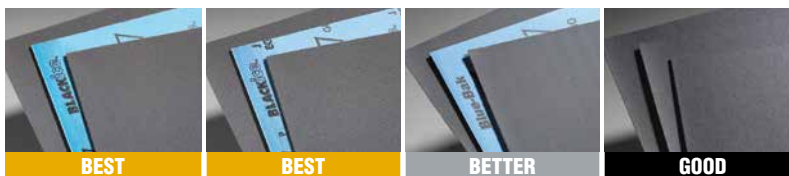
### NORTON BLACK ICE T214 AND T401 WATERPROOF BEST CHOICE FOR ALL WET APPLICATIONS

**FEATURES**

**BENEFITS**

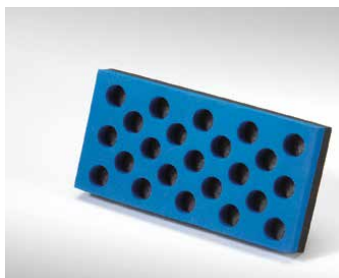
- |   |   |
|---|---|
| ■ T214: Premium, P-graded, heat-treated aluminum oxide abrasive               | ■ Ultimate cut and life in wet applications               |
| ■ T401: Premium, ultra fine (1000 – 2500 JIS graded) silicon carbide abrasive | ■ Ultimate finish in wet applications                     |
| ■ Improved resin bond system  | ■ Long life in wet applications                           |
| ■ High-strength B-weight high-latex, waterproof paper backing                 | ■ Ultimate flexibility, with wet-curl resistance          |
|   | ■ Environmentally stable, resists humidity-caused curling |

AVAILABILITY  
9 X 11  
PAPER SHEETS



|                 |                |                 |                 |                 |
|-----------------|----------------|-----------------|-----------------|-----------------|
| TIER:           | <b>BEST</b>    | <b>BEST</b>     | <b>BETTER</b>   | <b>GOOD</b>     |
| BRAND:          | Norton         | Norton          | Norton          | Norton          |
| CAP CODE:       | <b>T214</b>    | <b>T401</b>     | <b>T414</b>     | <b>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      | CAMI Graded     | CAMI 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

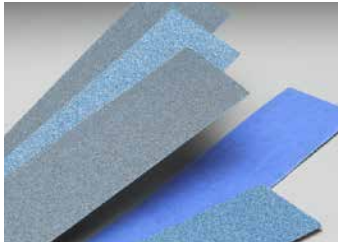
- No adhesive required: simply wrap a 5-1/2" x 9" (9" x 11" cut in half) sheet around the block
- A rugged, semi-rigid, multi-purpose sanding block engineered for flat to medium curved surfaces
- A tactical hole pattern side provides numerous cutting edges to create a 30% faster cut rate
- The plain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

FEATURED PRODUCTS



**NORTON BLUEFIRE H875P**

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

AVAILABILITY  
PAPER FILE  
STRIPS

|                     |                    |                    |                    |                    |               |               |               |
|---------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|
| TIER:               | <b>BEST</b>        | <b>BEST</b>        | <b>BEST</b>        | <b>BEST</b>        | <b>BETTER</b> | <b>BETTER</b> | <b>BETTER</b> |
| BRAND:              | Norton             | Norton             | Norton             | Norton             | Norton        | Norton        | Norton        |
| CAP CODE:           | <b>A275 NO-FIL</b> | <b>A275 NO-FIL</b> | <b>A275 NO-FIL</b> | <b>A275 NO-FIL</b> | <b>H875P</b>  | <b>H875P</b>  | <b>H875P</b>  |
| ABRASIVE:           | A/O                | A/O                | A/O                | A/O                | Z/A           | Z/A           | Z/A           |
| BACKING WEIGHT:     | B-Weight           | B-Weight           | B-Weight           | B-Weight           | E-Weight      | E-Weight      | E-Weight      |
| BACKING ATTACHMENT: | Non-PSA            | PSA                | Hook/Loop          | Hook/Loop Vac      | Non-PSA       | PSA           | Hook/Loop     |
| OTHER:              | P-Graded           | P-Graded           | P-Graded           | P-Graded           |               |               |               |

| 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        |             |             |             | 66261131657 |             |             |             |             |             |
|                | 120    | 50/500        |             |             |             | 66261131656 |             |             |             |             |             |
|                | 180    | 50/500        |             |             |             | 66261131654 |             |             |             |             |             |
| 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 | 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 #      |
|--|-----------|-------------|
| Hook and Loop/Non-PSA File Strip Sanding Board | 5         | 63642552836 |
| Hook and Loop Air File Shoe                    | 5         | 63642552835 |
| PSA/Non-PSA File Strip Sanding Board           | 6         | 63642542724 |



AVAILABILITY  
PAPER CUT SHEETS



|                 |                    |                |
|-----------------|--------------------|----------------|
| TIER:           | <b>GOOD</b>        | <b>GOOD</b>    |
| BRAND:          | Norton             | Norton         |
| CAP CODE:       | <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 |

AVAILABILITY  
PSA AND  
HOOK AND LOOP  
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>BEST</b>        | <b>GOOD</b>          |
| BRAND:              | Norton             | Norton             | Norton             | Norton             | Norton             | Norton             | Norton             | Norton             | Merit                |
| CAP CODE:           | <b>A975 NO-FIL</b> | <b>A975 NO-FIL</b> | <b>A975 NO-FIL</b> | <b>A275 NO-FIL</b> | <b>A275 NO-FIL</b> | <b>A275 NO-FIL</b> | <b>A275 NO-FIL</b> | <b>A975 NO-FIL</b> | <b>PB273 NO-LOAD</b> |
| ABRASIVE:           | Ceramic Alumina    | Ceramic Alumina    | Ceramic Alumina    | Aluminum Oxide     | Aluminum Oxide     | Aluminum Oxide     | Aluminum Oxide     | Ceramic Alumina    | Aluminum Oxide       |
| BACKING WEIGHT:     | C-Wt.              | C-Wt.              | B-Wt.              | B-Wt.              | B-Wt.              | B-Wt.              | B-Wt.              | B-Wt.              | B-Wt.                |
| BACKING ATTACHMENT: | PSA                | PSA                | PSA                | PSA                | PSA                | PSA                | PSA                | Hook & Loop*       | Hook & Loop•         |
| OTHER:              | P-Graded           | P-Graded           | P-Graded           | P-Graded           | P-Graded           | P-Graded           | P-Graded           | P-Graded           | P-Graded             |
| SIZE:               | 2-3/4" x 25yd      | 2-3/4" x 30yd      | 2-3/4" x 45yd      | 2-3/4" x 25yd      | 2-3/4" x 30yd      | 2-3/4" x 45yd      | 4-1/2" x 10 yd     | 2-3/4" x 13 yd     | 3" x 12 yd           |

| GRIT | MIN./STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      | PART #      | MIN/STD PKG | PART #      | PART #      |
|------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 80   | 1/5            | 66261149566 |             |             | 66261131691 |             |             | 66261131697 | 1/4         | 63642506261 | 66623345609 |
| 100  | 1/5            |             |             |             |             | 66261131690 |             | 66261131696 |             |             |             |
| 120  | 1/5            |             | 66261149564 |             |             | 66261131689 |             | 66261131695 | 1/4         | 63642506259 | 66623334493 |
| 150  | 1/5            |             |             | 66261149563 |             |             | 66261131688 | 66261131694 | 1/4         | 63642506258 | 66623334494 |
| 180  | 1/5            |             |             | 66261149562 |             |             | 66261131687 | 66261131693 | 1/4         | 63642506257 | 66623334495 |
| 220  | 1/5            |             |             | 66261149561 |             |             | 66261131686 | 66261131692 | 1/4         | 63642506256 | 66623345611 |
| 240  | 1/5            |             |             |             |             |             | 66261131685 |             |             |             |             |
| 320  | 1/5            |             |             | 66261149558 |             |             | 66261131683 |             | 1/4         | 63642506255 | 66623335601 |
| 400  | 1/5            |             |             | 66261149557 |             |             | 66261131681 |             | 1/4         | 66623329518 | 66623345612 |
| 500  |                |             |             |             |             |             |             |             | 1/4         | 66623329547 |             |
| 600  | 1/5            |             |             |             |             |             | 66261131679 |             | 1/4         | 66623329548 |             |

\* THE 2-3/4" WIDE HOOK AND LOOP PAPER ROLL IS PERFORATED AT 2-3/4" WHICH ALLOWS USE ON ALL STANDARD LENGTHS OF HAND BLOCKS AND FILE BOARDS.

• THE 3" WIDE HOOK AND LOOP PAPER ROLL IS PERFORATED AT 4-1/4" TO ALLOW FOR USE ON DYNABRADE® "DYNABUG II®" TOOL.

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



**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

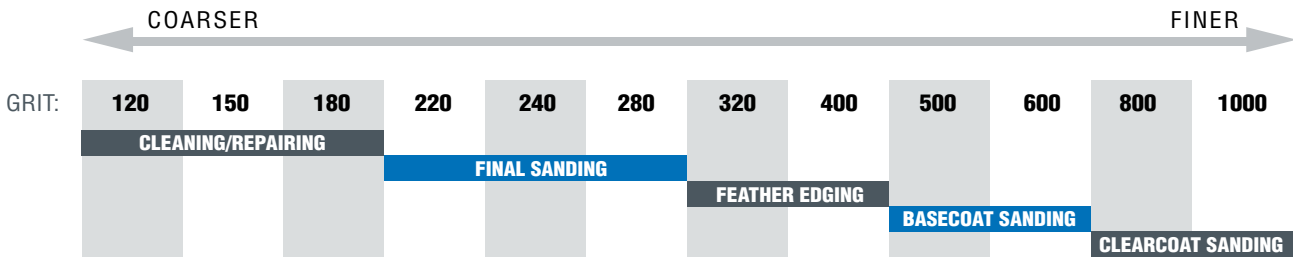
| DESCRIPTION        | STD. PKG. | PART #      |
|--------------------|-----------|-------------|
| PSA Roll Dispenser | 1         | 63642542773 |

| SIZE          | BACKING ATTACHMENT: |           | PSA         |             | HOOK & LOOP |  |
|---------------|---------------------|-----------|-------------|-------------|-------------|--|
|               | DESCRIPTION         | STD. PKG. | PART #      | PART #      |             |  |
| 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



FEATURED PRODUCTS



**NO-FIL NORTON ADALOX A275 ROTOLO FOAM ROLLS**

THE BETTER CHOICE FOR FINE SANDING FLAT AND CURVED SURFACES

FEATURES

- 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"
- 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

AVAILABILITY

|            |                |
|------------|----------------|
| TIER:      | <b>BETTER</b>  |
| BRAND:     | Norton         |
| TRADENAME: | <b>ROTOLO</b>  |
| ABRASIVE:  | Aluminum Oxide |

| SIZE (W x L) | GRIT SIZE | ROLLS/STD. PKG. | PART #      |
|--------------|-----------|-----------------|-------------|
| 4-1/2" x 82' | P120      | 2               | 63642535316 |
|              | P150      | 2               | 63642557584 |
|              | P180      | 2               | 63642557599 |
|              | P220      | 2               | 63642557600 |
|              | P240      | 2               | 63642557602 |
|              | P280      | 2               | 63642557604 |
|              | P320      | 2               | 63642557606 |
|              | P400      | 2               | 63642557608 |
|              | P500      | 2               | 63642557611 |
|              | P600      | 2               | 63642557612 |
|              | P800      | 2               | 63642557613 |
|              | P1000     | 2               | 63642557616 |





**CATEGORY DEFINITION**

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

**CROSS REFERENCE GUIDE**

| NORTON           | GOOD                                   |                                      |                  |                 |
|------------------|--|--------------------------------------|------------------|-----------------|
|                  | Metalite K224/K225                     | Metalite K227                        | Emery K622       | Screen-Bak Q421 |
| <b>3M</b>        | 311T Three-M-lte BG<br>211K Electrocut | 211K Three-M-lte<br>311K Three-M-lte | 011k Crystal Bay | 481Q            |
| <b>Hermes</b>    | RB317LX                                | RB232J                               | –                | –               |
| <b>Klingspor</b> | CS310X                                 | KL361                                | KL371            | –               |
| <b>Sait</b>      | DA-F                                   | EA-F                                 | –                | Saitscreen      |
| <b>SIA</b>       | –                                      | 2947J                                | C680J            | –               |
| <b>VSM</b>       | KK504X                                 | KK504J, KK504X                       | –                | –               |

**APPLICATION/STARTING RECOMMENDATION GUIDE**

| Durability/Stock Removal<br>Fast Cut | Conformability<br>Excellent Finish | Slower Cut<br>Fine Finish | Waterproof<br>Load Resistant |
|--------------------------------------|------------------------------------|---------------------------|------------------------------|
| Metalite K224/K225                   | Metalite K227                      | Emery K622                | Screen-Bak Durite Q421       |

**AVAILABILITY  
CLOTH SHEETS**

| SIZE (W x L) | GRIT         | MIN./STD. PKG. | GOOD               |               |             | MIN. /STD. PKG. | PART #      |
|--------------|--------------|----------------|--------------------|---------------|-------------|-----------------|-------------|
|              |              |                | METALITE K224/K225 | METALITE K227 | EMERY K622  |                 |             |
| 9 x 11       | 40           | 25/125         | 66261058713        |               |             |                 |             |
|              | 50           | 25/125         | 66261101862        |               |             |                 |             |
|              | 60           | 25/125         | 66261101861        |               |             |                 |             |
|              | 80           | 25/125         | 66261126340        | 66261101750   |             | 25/125          | 66261100960 |
|              | 100          | 50/250         | 66261126339        | 66261101745   |             | 25/125          | 66261100955 |
|              | 120          | 50/250         | 66261126338        | 66261101740   |             | 25/125          | 66261100950 |
|              | 150          | 50/250         | 66261126337        | 66261101735   |             | 25/125          | 66261100945 |
|              | 180          | 50/250         | 66261126336        | 66261101730   |             | 25/125          | 66261100940 |
|              | 220          | 50/250         | 66261126335        |               |             | 25/125          | 66261100935 |
|              | 240          | 50/250         | 66261126334        |               |             |                 |             |
|              | 280          | 50/250         | 66261126333        | 66261101720   |             |                 |             |
|              | 320          | 50/250         | 66261126332        | 66261101710   |             | 25/125          | 66261100920 |
|              | 400          | 50/250         | 66261126331        | 66261101705   |             | 25/125          | 66261100915 |
|              | 500          | 50/250         |                    | 66261101700   |             |                 |             |
|              | 600          | 50/250         | 66261126330        |               |             |                 |             |
|              | Extra Coarse | 25/125         |                    |               | 66261101255 |                 |             |
|              | Coarse       | 25/125         |                    |               | 07660701307 |                 |             |
|              | Medium       | 50/250         |                    |               | 07660701309 |                 |             |
|              | Fine         | 50/250         |                    |               | 07660701308 |                 |             |



AVAILABILITY  
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 K224/K225</b> | <b>METALITE K224/K225</b> | <b>METALITE K224/K225</b> | <b>METALITE K224/K225</b> | <b>METALITE K224/K225</b> |
| ABRASIVE:  | Aluminum Oxide            | Aluminum Oxide            | Aluminum Oxide            | Aluminum Oxide            | Aluminum Oxide            |
| 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 | MIN./STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #       |
|------|----------------|-------------|-------------|-------------|-------------|--------------|
| 40   | 1/5            |             | 66261058716 | 66261058715 | 66261058714 |              |
| 50   | 1/5            |             | 66261127728 | 66261127730 | 66261127732 |              |
| 60   | 1/5            |             | 66261127729 | 66261127731 | 66261127733 |              |
| 80   | 1/5            | 66261134298 | 66261126276 | 66261126288 | 66261126299 |              |
| 100  | 1/5            | 66261134299 | 66261126275 | 66261126287 | 66261126298 |              |
| 120  | 1/5            | 66261134300 | 66261126274 | 66261126286 | 66261126297 | 66261127285* |
| 150  | 1/5            | 66261134301 | 66261126273 | 66261126285 | 66261126296 |              |
| 180  | 1/5            | 66261134302 | 66261126272 | 66261126284 | 66261126295 |              |
| 220  | 1/5            |             | 66261126271 | 66261126283 | 66261126294 |              |
| 240  | 1/5            | 66261134303 | 66261126270 | 66261126282 | 66261126293 |              |
| 280  | 1/5            |             | 66261126269 | 66261126281 | 66261126292 |              |
| 320  | 1/5            | 66261134304 | 66261126268 | 66261126280 | 66261126291 |              |
| 400  | 1/5            |             | 66261126267 | 66261126279 | 66261126290 |              |
| 600  | 1/5            |             | 66261126266 | 66261126278 | 66261126289 |              |

\* PACKAGING STANDARDS: 4" ROLL MIN. /STD. PKG.: 6

AVAILABILITY  
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 K227</b> | <b>METALITE K227</b> | <b>METALITE K227</b> | <b>SCREEN-BAK Q421</b> | <b>SCREEN-BAK Q421</b> |
| ABRASIVE:  | Aluminum Oxide       | Aluminum Oxide       | Aluminum Oxide       | Silicon Carbide        | Silicon Carbide        |
| 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 | MIN./STD. PKG. | PART #      | PART #      | PART #      | PART #       | PART #       |
|------|----------------|-------------|-------------|-------------|--------------|--------------|
| 80   | 1/5            | 66261109180 | 66261109255 | 66261109335 | 66261107275* |              |
| 100  | 1/5            | 66261058721 | 66261058719 | 66261109330 |              |              |
| 120  | 1/5            | 66261109170 | 66261109245 | 66261109325 | 66261107270* | 66261149811* |
| 150  | 1/5            | 66261058720 | 66261058717 | 66261109320 |              |              |
| 180  | 1/5            | 66261109160 | 66261109235 | 66261109315 | 66261107265* |              |
| 280  | 1/5            | 66261109150 | 66261109225 | 66261109305 |              |              |
| 320  | 1/5            | 66261109140 | 66261109215 | 66261109295 |              |              |

\* PACKAGING STANDARDS: MIN. /STD. PKG.: (Q421) 1/10

**FastTrack Service – Cloth Rolls**

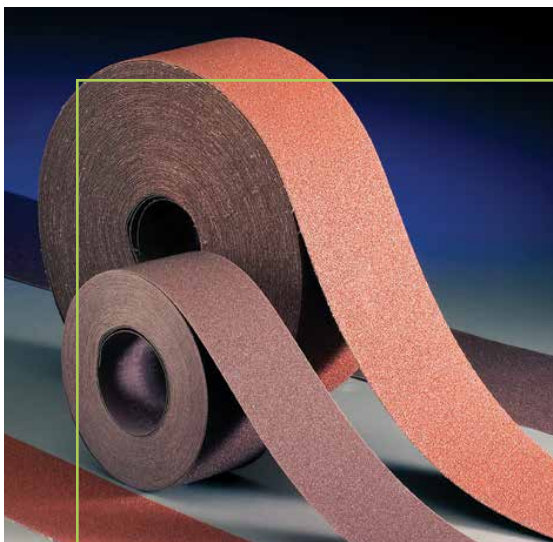
FastTrack delivery is available on made-to-order aluminum oxide R228 and K225 50-yard rolls with 5-day lead-time. Contact your local distributor for details and prices.

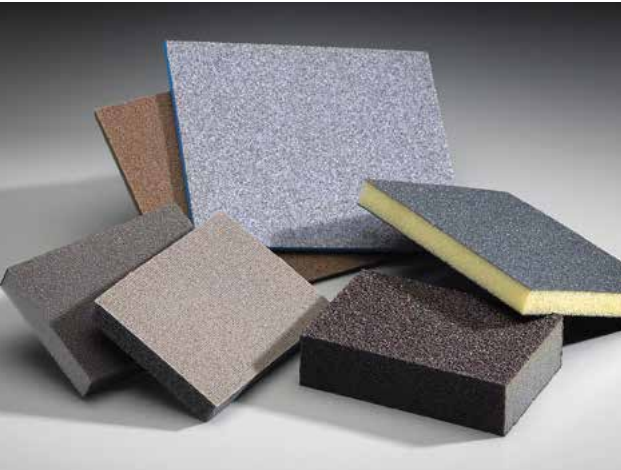
**Availability**

- Width: 2" – 12"
- Length: 50 yards

**FastTrack Roll Quantity Availability**

| WIDTH       | MINIMUM QTY. | MAXIMUM QTY. |
|-------------|--------------|--------------|
| 2" to 9"    | 5 Rolls      | 10 Rolls     |
| > 9" to 11" | 4 Rolls      | 8 Rolls      |
| >11" to 12" | 3 Rolls      | 6 Rolls      |





## CATEGORY DEFINITION

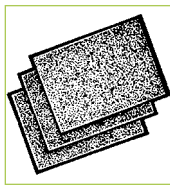
Flexible, abrasive sanding sponges for a wide variety of curved, contoured or flat surface applications on wood, metal, paint, plastic, ceramics and drywall.

**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

## 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

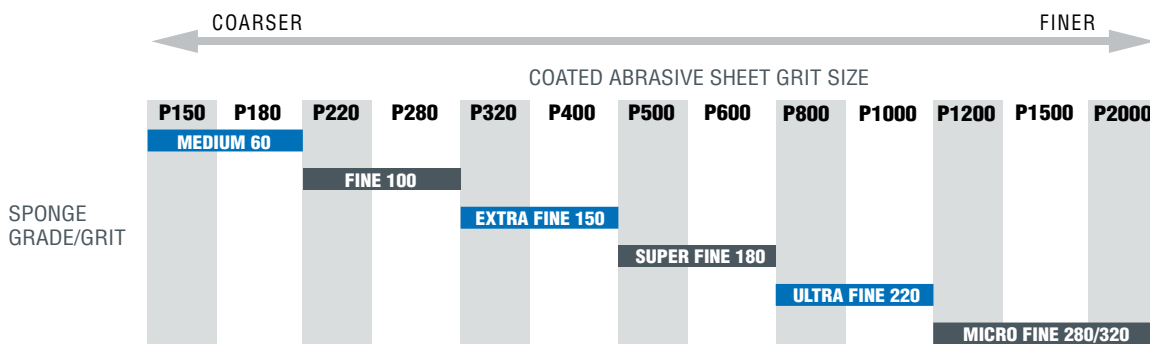
### Pressure Control

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

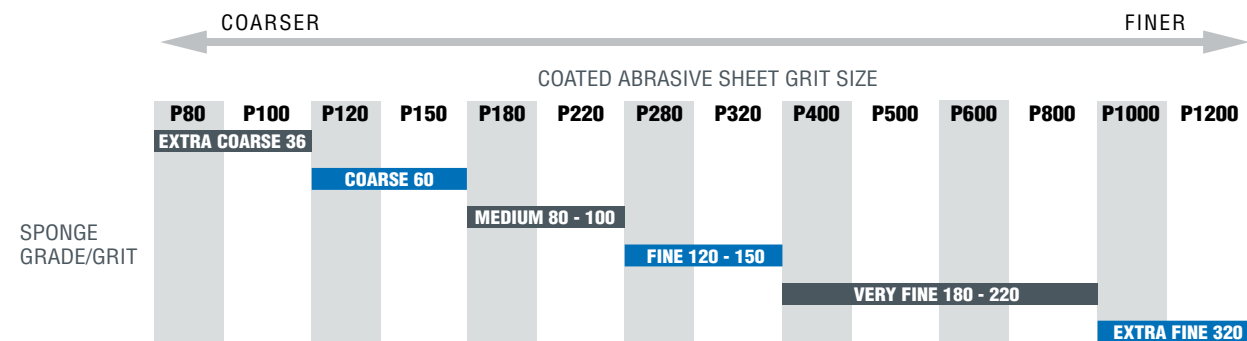
### Adapt to Contours

- 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



## SURFACE FINISHING CHART – SPONGE PADS VERSUS SHEETS

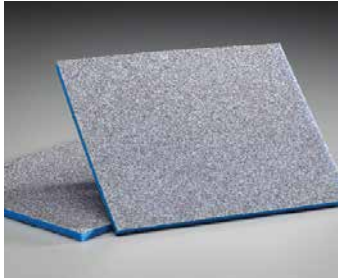


## CROSS REFERENCE GUIDE

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



FEATURED PRODUCTS AND AVAILABILITY



**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

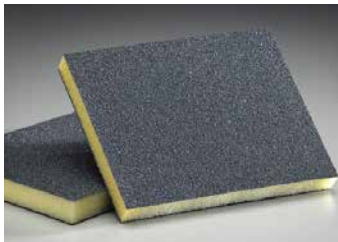
| SIZE (W x L x T) | GRIT           | STD. PKG. | PART #      | BULK PKG. | PART #      |
|------------------|----------------|-----------|-------------|-----------|-------------|
| 4 x 2-3/4 x 1    | 36/80          | 24        | 07660749505 | 250       | 07660704735 |
|                  | Ex. Coarse/Med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



**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 | 80 Medium     | 250       | 63642502538 |  |
|                     | 100 Medium    | 250       | 63642552870 |  |
|                     | 150 Fine      | 250       | 63642552869 |  |
|                     | 220 Very 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 |





**CATEGORY DEFINITION**

Portable file belt sanders have replaced tedious hand filing and sanding. First introduced in pneumatic, they are now available in electric. Increasingly, tool manufacturers are introducing additional fixtures for an increasing number of 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

**CROSS REFERENCE GUIDE**

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

**MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE**

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

**FEATURED PRODUCTS**



**NORTON BLAZE R980P**

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
- Improved body-retention during use for more consistent grinding throughout belt life
- Significantly improved belt life due to exceptional grain adhesion
- Cooler cutting during the life of the belt
- Improved part finish and integrity



FEATURED PRODUCTS



**NORTON BLUEFIRE R887/R823P**  
THE BETTER CHOICE FOR STAINLESS AND CARBON STEEL

FEATURES

BENEFITS

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



**NORTON NEON R766**  
THE BETTER CHOICE FOR DIFFICULT-TO-GRIND MATERIALS (ALUMINUM, BRASS, BRONZE, STAINLESS, CARBON STEEL, TITANIUM, ETC.)

FEATURES

BENEFITS

- Premium abrasive and aluminum oxide blend
- Resin bond system
- Y-weight waterproof polyester backing
- Ideal when purchasing criteria is a good-performing, economically priced, general purpose belt
- Improved edge retention and 30% + improvement in life vs. key competitors
- Withstands light- to moderately-demanding applications
- Extended life on dry grinding applications

AVAILABILITY

| 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>METALITE R283</b> | <b>NEON R766</b>  |
| ABRASIVE:  | Ceramic Alumina    | Ceramic Alumina       | Zirconia Alumina           | Aluminum Oxide       | Premium A/O Blend |
| BACKING:   | Y-wt. Polyester    | Y-wt. Polyester       | Y-wt./X-wt. Polyester      | X-wt. Rayon          | Y-wt. Polyester   |
| OTHER:     | Supersize          |                       |                            |                      |                   |

| SIZE (W x L)     | GRIT | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|------------------|------|-----------|-------------|-------------|-------------|-------------|-------------|
| <b>12" Belts</b> |      |           |             |             |             |             |             |
| 1/8 x 12         | 40   | 50        | 66254491518 | 66254491521 | 66254492520 | 66254491536 | 66623390000 |
|                  | 60   | 50        | 66254405345 | 66254491522 | 66261093029 |             | 66623390001 |
|                  | 80   | 50        | 66261089479 | 66254491523 | 66261093030 | 66254491537 | 66623390002 |
|                  | 120  | 50        | 66254491519 | 66254491524 | 66254491533 | 66254491538 |             |
| 1/4 x 12         | 40   | 50        | 66254491520 | 66254491525 |             | 66254491539 | 66623390003 |
|                  | 60   | 50        | 66261196480 | 78072760823 | 78072758896 |             | 66623390004 |
|                  | 60   | 25 ✓      |             |             | 66623373744 |             |             |
|                  | 80   | 50        | 66261063617 | 66254491526 | 78072782621 | 78072766143 | 66623390005 |
|                  | 8    | 25 ✓      |             |             | 66623373745 |             |             |
|                  | 120  | 50        | 66261063632 | 66254491527 | 78072782622 | 78072763175 |             |
| 1/2 x 12         | 40   | 50        | 69957398018 | 66254491528 | 66254492522 | 78072727557 | 66623390006 |
|                  | 50   | 50        | 66261043759 | 78072718700 | 66254492523 | 66254491540 | 66623390007 |
|                  | 60   | 50        | 69957398019 | 78072718701 | 78072728745 | 78072727555 | 66623390008 |
|                  | 60   | 25 ✓      |             |             | 66623373753 |             |             |
|                  | 80   | 50        | 69957398020 | 78072718702 | 78072728744 | 78072727554 | 66623390009 |
|                  | 80   | 25 ✓      |             |             | 66623373754 |             |             |
|                  | 100  | 50        | 66261081180 | 66254491529 | 66254491534 | 78072727553 |             |
|                  | 120  | 50        | 66261042909 | 78072700518 | 78072728742 | 78072727552 |             |
| 120              | 25 ✓ |           |             | 66623373755 |             |             |             |
| 1 x 12           | 60   | 50        | 66261063641 |             | 78072753073 | 78072773813 | 66623390010 |
| <b>13" Belts</b> |      |           |             |             |             |             |             |
| 3/8 x 13         | 60   | 50        | 69957345359 | 78072745459 | 78072740295 | 78072732112 | 66623390011 |
|                  | 80   | 50        | 69957392150 | 78072774916 | 78072736062 | 78072771323 | 66623390012 |
| <b>18" Belts</b> |      |           |             |             |             |             |             |
| 1/8 x 18         | 40   | 50        | 66254475211 |             | 66254492524 | 66254491541 | 66623390013 |
|                  | 60   | 50        | 66261080010 |             | 66254491535 |             | 66623390014 |
|                  | 80   | 50        | 66261089120 | 78072789083 | 78072760595 | 63642594761 | 66623390015 |
|                  | 120  | 50        | 66254475215 | 78072789084 | 63642595221 | 66254491542 |             |

CONTINUED



AVAILABILITY

|            |                    |                       |                            |                      |                   |
|------------|--------------------|-----------------------|----------------------------|----------------------|-------------------|
| 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>METALITE R283</b> | <b>NEON R766</b>  |
| ABRASIVE:  | Ceramic Alumina    | Ceramic Alumina       | Zirconia Alumina           | Aluminum Oxide       | Premium A/O Blend |
| BACKING:   | Y-wt. Polyester    | Y-wt. Polyester       | Y-wt./X-wt. Polyester      | X-wt. Rayon          | Y-wt. Polyester   |
| OTHER:     | 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 | 66254491543 | 66623390016 |
|                              | 60   | 50        | 69957347249 | 78072774684 | 78072743583 | 78072771000 | 66623390017 |
|                              | 60   | 25 ✓      |             |             | 66623373747 |             |             |
|                              | 80   | 50        | 69957346155 | 78072703284 | 78072753075 | 78072773921 | 66623390018 |
|                              | 80   | 25 ✓      |             |             | 66623373748 |             |             |
|                              | 120  | 50        | 66261085071 | 78072785655 | 78072773764 |             |             |
| 1/2 x 18                     | 40   | 50        | 69957398021 | 78072766018 | 66254444193 | 78072727561 | 66623390019 |
|                              | 60   | 50        | 69957398022 | 78072718704 | 78072728569 | 78072727560 | 66623390020 |
|                              | 60   | 25 ✓      |             |             | 66623373756 |             |             |
|                              | 80   | 50        | 69957398023 | 78072718705 | 78072728568 | 78072727559 | 66623390021 |
|                              | 80   | 25 ✓      |             |             | 66623373757 |             |             |
|                              | 120  | 50        | 66261041384 | 78072718706 | 78072728567 | 78072727558 |             |
| 3/4 x 18                     | 40   | 50        | 69957398027 | 78072762476 | 66254492526 | 78072781797 | 66623390022 |
|                              | 60   | 50        | 69957398028 | 78072745691 | 78072709590 | 78072739966 | 66623390023 |
|                              | 60   | 25 ✓      |             |             | 66623373762 |             |             |
|                              | 80   | 50        | 69957398029 | 78072756309 | 78072758953 | 78072732289 | 66623390024 |
|                              | 80   | 25 ✓      |             |             | 66623373763 |             |             |
|                              | 120  | 25 ✓      |             |             | 66623373764 |             |             |
| <b>20-1/2" Belts</b>         |      |           |             |             |             |             |             |
| 3/4 x 20-1/2                 | 40   | 50        | 69957398030 | 78072714398 | 66254457869 | 78072727573 | 66623390025 |
|                              | 50   | 50        | 69957344982 | 78072718714 | 66254492527 | 66254491544 | 66623390026 |
|                              | 60   | 50        | 69957398031 | 78072718715 | 78072728560 | 78072727571 | 66623390027 |
|                              | 60   | 25 ✓      |             |             | 66623373765 |             |             |
|                              | 80   | 50        | 69957398032 | 78072718716 | 78072728559 | 78072727570 | 66623390028 |
|                              | 80   | 25 ✓      |             |             | 66623373766 |             |             |
|                              | 100  | 50        | 66261055516 | 78072771151 | 66261038911 | 78072727569 |             |
|                              | 120  | 50        | 66261044755 | 78072727380 | 78072728557 | 78072727575 |             |
|                              | 120  | 25 ✓      |             |             | 66623373767 |             |             |
| <b>24" Belts</b>             |      |           |             |             |             |             |             |
| 1/4 x 24                     | 40   | 50        | 66261198631 | 78072747823 | 66254473499 | 66254401929 | 66623390029 |
|                              | 60   | 50        | 69957345451 | 78072756534 | 78072728552 | 78072727548 | 66623390030 |
|                              | 60   | 25 ✓      |             |             | 66623373750 |             |             |
|                              | 80   | 50        | 63642596940 | 78072718340 | 78072767713 | 66261085068 | 66623390031 |
|                              | 80   | 25 ✓      |             |             | 66623373751 |             |             |
|                              | 120  | 50        | 66261080367 | 78072770718 | 78072728550 | 66261085069 |             |
| 1/2 x 24                     | 40   | 50        | 69957398024 | 78072760092 | 66254492528 | 78072727568 | 66623390032 |
|                              | 50   | 50        | 66261043757 | 78072718707 | 66254452237 | 78072727567 | 66623346910 |
|                              | 60   | 50        | 69957398025 | 78072718708 | 78072728564 | 78072727566 | 66623390033 |
|                              | 60   | 25 ✓      |             |             | 66623373759 |             |             |
|                              | 80   | 50        | 69957398026 | 78072718709 | 78072728566 | 78072727565 | 66623390034 |
|                              | 80   | 25 ✓      |             |             | 66623373760 |             |             |
| 1 x 24                       | 40   | 50        | 69957350019 | 66254491531 | 66254492529 | 66254491546 | 66623390035 |
|                              | 50   | 50        | 69957344889 | 78072710374 | 66254492530 | 66254491547 | 66623390036 |
|                              | 60   | 50        | 69957353375 | 78072737318 | 78072798720 | 66254491548 | 66623390037 |
|                              | 80   | 50        | 69957345419 | 78072772209 | 78072776498 | 66261085068 | 66623334206 |
|                              | 120  | 50        | 66261085067 | 66254491532 | 78072730029 | 66261085069 |             |
|                              |      |           |             |             |             |             |             |
| <b>30" Belts</b>             |      |           |             |             |             |             |             |
| 1 x 30                       | 40   | 50        | 66261053470 | 78072765229 | 66254478257 | 66261189958 | 66623390038 |
|                              | 60   | 50        | 69957345985 |             | 78072728583 | 66254491549 | 66623390039 |
|                              | 80   | 50        | 69957346105 | 78072764439 | 78072728582 | 78072727579 | 66623390040 |
|                              | 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 AND FLEXES – ALL BELTS ARE PG JOINTED; A BUTT JOINT JOINED WITH FLEXIBLE TAPE FOR CONTOUR GRINDING. ✓ = VENDIBLE PACKAGE. IDEAL FOR VENDING MACHINES AND SMALL JOBS. 5 BELTS PER PACK / 5 PACKS PER CARTON. ORDER IN MULTIPLES OF 25.



**CATEGORY DEFINITION**

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.

- 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

**CROSS REFERENCE GUIDE**

|                  | <b>BEST</b>      | <b>BETTER</b> | <b>GOOD</b>              |
|------------------|------------------|---------------|--------------------------|
| <b>NORTON</b>    | Norton SG R981   | BlueFire R831 | Metalite R215/R228/R255  |
| <b>3M</b>        | 977F, 967F, 963G | 777F, 577F    | 241D, 340D               |
| <b>Hermes</b>    | RB346MX          | RB484Z        | RB316XOP                 |
| <b>Klingspor</b> | CS610YY          | CS411Y        | CS311YX, CS310X, LS309XH |
| <b>Sait</b>      | –                | ZH            | AOX, IAX                 |
| <b>SIA</b>       | –                | –             | 2903XO, 2905X, 2920X     |
| <b>VSM</b>       | SK855X           | ZK713X        | KK511X, KK711X, KK504X   |

**MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE**

|                                       | <b>HEAVY-DUTY</b>                                       | <b>GENERAL-DUTY</b>                                     |
|---------------------------------------|---|---|
|                                       | <b>BEST</b><br>Highest Productivity – Lowest Total Cost | <b>BETTER</b><br>Excellent Blend of Performance & Price |
| <b>Wood</b>                           | –   | Norton Metalite R215/R255                               |
| <b>Stainless Steel / Carbon Steel</b> | Norton SG R981  | Norton Metalite R228                                    |
| <b>Brass / Bronze / Aluminum</b>      | –   | Norton Metalite R215/R255                               |

**FEATURED PRODUCTS**



**NORTON SG R981**

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 BLUEFIRE R831**

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

Portable electric belt sanders are used on wood, metal, and other materials, for applications ranging from stock removal to finishing. They consist of an electrical motor that turns a pair of drums on which an abrasive belt is mounted.

Belt sanders can be either hand-held, where the sander is moved over the material, or stationary (fixed), where the material is brought to the sanding belt.

#### AVAILABILITY



|                |                      |                      |                      |
|----------------|----------------------|----------------------|----------------------|
| TIER:          | <b>BETTER</b>        | <b>GOOD</b>          | <b>GOOD</b>          |
| BRAND:         | Norton               | Norton               | Norton               |
| TRADENAME:     | <b>BLUEFIRE R831</b> | <b>METALITE R255</b> | <b>METALITE R255</b> |
| ABRASIVE:      | Zirconia Alumina     | Aluminum Oxide       | Aluminum Oxide       |
| JOINT:         | Plyweld              | Plyweld              | Plyweld              |
| GRAIN COATING: | Open Coat            | Open Coat            | Open Coat            |
| OTHER:         |                      |                      | UPC Bar Coded        |

| SIZE (W x L) | GRIT | STD. PKG. | PART #      | PART #      | STD. PKG. | PART #      |
|--------------|------|-----------|-------------|-------------|-----------|-------------|
| 3 x 18       | 36   |           |             |             | 5         | 78072780447 |
|              | 50   | 5*        | 07660749259 | 07660700964 | 10        | 78072727994 |
|              | 80   | 5*        | 07660749258 | 07660700968 | 10        | 78072727993 |
|              | 120  | 5*        | 07660749256 | 07660700969 | 10        | 78072727992 |
| 3 x 21       | 36   | 5*        | 07660749266 | 07660701741 |           |             |
|              | 40   |           |             |             | 10        | 78072727927 |
|              | 50   | 5*        | 07660749265 | 07660701740 | 10        | 78072727926 |
|              | 60   |           |             |             | 10        | 78072727925 |
|              | 80   | 5*        | 07660749264 | 07660702064 | 10        | 78072727924 |
|              | 100  | 5*        | 07660749263 |             | 10        | 78072727923 |
|              | 120  | 5*        | 07660749262 | 07660702062 | 10        | 78072727922 |
| 3 x 24       | 36   | 5*        | 07660749272 | 07660701743 | 5         | 78072781847 |
|              | 40   |           |             |             | 10        | 78072727937 |
|              | 50   | 5*        | 07660749271 | 07660701742 | 10        | 78072727936 |
|              | 60   |           |             |             | 10        | 78072727935 |
|              | 80   | 5*        | 07660749270 | 07660702067 | 10        | 78072727934 |
|              | 100  | 5*        | 07660749269 | 07660702066 | 10        | 78072727933 |
|              | 120  | 5*        | 07660749268 | 07660702065 | 10        | 78072727932 |
| 4 x 24       | 36   | 5*        | 07660749278 | 07660701745 | 5         | 78072780438 |
|              | 40   |           |             |             | 10        | 78072727947 |
|              | 50   | 5*        | 07660749277 | 07660701744 | 10        | 78072727946 |
|              | 60   |           |             |             | 10        | 78072727945 |
|              | 80   | 5*        | 07660749276 | 07660702069 | 10        | 78072727944 |
|              | 100  | 5*        | 07660749275 |             | 10        | 78072727943 |
|              | 120  | 5*        | 07660749274 | 07660702068 | 10        | 78072727942 |
|              | 180  | 5*        |             | 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

#### AVAILABILITY



|                |                      |                       |                      |                      |
|----------------|----------------------|-----------------------|----------------------|----------------------|
| TIER:          | <b>BEST</b>          | <b>BETTER</b>         | <b>GOOD</b>          | <b>GOOD</b>          |
| BRAND:         | Norton               | Norton                | Norton               | Norton               |
| TRADENAME:     | <b>SG R981</b>       | <b>BLUEFIRE R823P</b> | <b>METALITE R215</b> | <b>METALITE R228</b> |
| ABRASIVE:      | Ceramic Alumina      | Zirconia Alumina      | Aluminum Oxide       | Aluminum Oxide       |
| JOINT:         | Plyweld              | Plyweld               | Plyweld              | Plyweld              |
| GRAIN COATING: | Close Coat/Supersize | Close Coat            | Open Coat            | Closed Coat          |

| SIZE (W x L)   | GRIT | STD. PKG. | PART #      | 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 |             |             |             |



**CATEGORY DEFINITION**

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

**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:** 36 – 320

**ABRASIVE GRAIN:** Ceramic Alumina, Zirconia Alumina, Aluminum Oxide

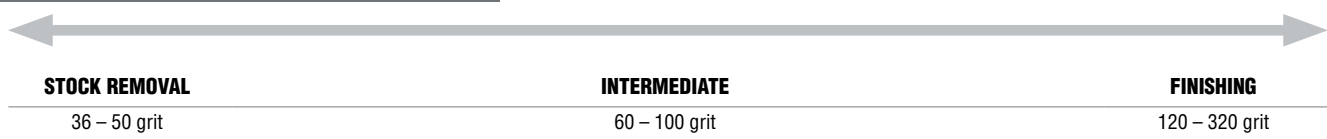
**CROSS REFERENCE GUIDE**

|                            | BEST<br>Blaze R980P                       | BEST<br>Norton SG R981              | BETTER<br>BlueFire R887P   | BETTER<br>BlueFire R821P | BETTER<br>BlueFire R823P                          | BETTER<br>BlueFire R884P   | GOOD<br>Metalite R228                                       |
|----------------------------|---|-------------------------------------|----------------------------|--------------------------|---|--|---|
| <b>NORTON</b><br><b>3M</b> | 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 |
| <b>Hermes</b>              | 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                                   |
| <b>Klingspor</b>           | CS612YY, CS610YY                          | CS612YY, CS610YY                    | CS409Y                     | CS411Y                   | CS411X  | CS411Y   | CS311X, CS310, CS410  |
| <b>SIA</b>                 | –   | –                                   | –                          | –                        | –   | 2800, 2803, 2929   | 2903XO, 2905X, 2920X  |
| <b>VSM</b>                 | 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. |
|-----------------------------------|--|---|--|
| <b>Aluminum</b>                   | –  | Norton BlueFire R884P/R823P                       | Norton Neon R766                                   |
| <b>Cast Iron</b>                  | Norton Blaze R980P                               | Norton BlueFire R823P                             | Norton Neon R766                                   |
| <b>Brass / Bronze</b>             | –  | Norton BlueFire R884P/R823P                       | Norton Neon R766                                   |
| <b>Die Castings</b>               | Norton Blaze R980P                               | Norton BlueFire R823P                             | Norton Neon R766                                   |
| <b>Carbon Steel</b>               | Norton Blaze R980P                               | Norton BlueFire R823P                             | Norton Neon R766                                   |
| <b>Glass / Ceramics</b>           | Norton Blaze R980P                               | Norton BlueFire R821P                             | Norton Neon R766                                   |
| <b>Stainless Steel and Alloys</b> | Norton Blaze R980P                               | Norton BlueFire R823P/R887P                       | Norton Neon R766                                   |
| <b>Wood</b>                       | –  | Norton BlueFire R831/R884P                        | Norton Neon R766                                   |

**GRIT SELECTION RECOMMENDATION GUIDE**





FEATURED PRODUCTS



**NORTON BLAZE R980P**

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

FEATURES

- Cooler cutting Norton SG ceramic abrasive grain
- Y-weight polyester waterproof cloth backing
- Durable resin bond system
- Advanced “supersize” grinding lubricant

BENEFITS

- 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
- Edge-fray resistance
- Excellent body retention during use for more consistent grinding throughout belt life
- 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**

EXCEPTIONAL PERFORMANCE, ESPECIALLY ON HARD-TO-GRIND ALLOYS

FEATURES

- Norton SG ceramic abrasive
- Grinding-aid enhanced
- Strong Y-weight polyester, waterproof cloth backing

BENEFITS

- Exceptional life and value, especially on hard-to-grind alloys
- Longer life, cooler cut
- Improved grain adhesion, reduced edge-fray and better body retention, result in longer life and product consistency



EXPANDED OFFERING

**NORTON BLUEFIRE R884P/R823P**

BETTER CHOICE FOR HEAVIEST-PRESSURE APPLICATIONS

FEATURES

- Premium self-sharpening zirconia alumina abrasive
- R884P – Durable Y-weight polyester, waterproof cloth backing
- R823P – Strong X-weight polyester backing; waterproof

BENEFITS

- Aggressive, rapid cut rate
- Excellent grain adhesion, reduced edge-fray and better body retention, result in longer life and product consistency
- More flexible than R884P
- Available in finer grit sizes



**NORTON NEON R766**

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

FEATURES

- Premium abrasive and aluminum oxide blend
- New resin bond system
- Y-weight waterproof polyester backing

BENEFITS

- Ideal when purchasing criteria is a good-performing, economically priced, general purpose belt
- Improved edge retention and 30% + improvement in life versus key competitors
- Withstands light- to moderately-demanding applications
- Extended life on dry grinding applications

**TECHtip**

TROUBLESHOOTING GUIDE

**PROBLEM**

**Loading**

**Shedding**

**Belt breakage**

**CORRECTION**

Decrease infeed pressure or belt speed

Reduce applied pressure

Use a less aggressive contact wheel

Dress contact wheel if worn or damaged

Use entire surface of belt

Reduce belt tension

Use less aggressive contact wheel

Check tracking mechanism for belts tracking erratically



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

AVAILABILITY



|            |                    |                       |                       |                   |                      |
|------------|--------------------|-----------------------|-----------------------|-------------------|----------------------|
| TIER:      | <b>BEST</b>        | <b>BETTER</b>         | <b>BETTER</b>         | <b>GOOD</b>       | <b>GOOD</b>          |
| BRAND:     | Norton             | Norton                | Norton                | Norton            | Norton               |
| TRADENAME: | <b>BLAZE R980P</b> | <b>BLUEFIRE R821P</b> | <b>BLUEFIRE R823P</b> | <b>NEON R766</b>  | <b>METALITE R228</b> |
| ABRASIVE:  | Ceramic Alumina    | Zirconia Alumina      | Zirconia Alumina      | Premium A/O Blend | Aluminum Oxide       |
| BACKING:   | Y-wt. Polyester    | Y-wt. Cotton          | X-wt. Polyester       | Y-wt. Polyester   | X-wt. Cotton         |

| SIZE (W x L) | GRIT       | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|--------------|------------|-----------|-------------|-------------|-------------|-------------|-------------|
| 1 x 42       | 36         | 50        | 66254476825 |             |             |             | 78072791710 |
|              | 40         | 50        | 69957345887 | 78072726905 |             | 66623390041 | 78072720910 |
|              | 50         | 50        | 66254476826 | 78072726904 |             | 66623390042 | 78072720905 |
|              | 60         | 50        | 69957345486 | 78072726903 | 78072728596 | 66623334502 | 78072720900 |
|              | 80         | 50        | 66261041539 | 78072726902 | 78072728594 | 66623390043 | 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 |
|              | 1-1/2 x 60 | 36        | 10          | 69957345578 |             |             |             |
| 40           |            | 10        | 63642595003 |             |             |             |             |
| 50           |            | 10        | 69957345664 |             |             | 66623390044 | 78072787807 |
| 60           |            | 10        | 69957345631 |             |             | 66623390045 |             |
| 80           |            | 10        | 69957345579 |             |             | 66623390046 |             |
| 100          |            | 10        |             |             | 78072765077 |             | 69957351736 |
| 120          |            | 10        | 66261056493 |             | 78072726984 |             |             |
| 220          |            | 10        |             |             | 78072758464 |             |             |
| 2 x 48       | 24         | 10        |             |             |             |             | 78072756615 |
|              | 36         | 10        | 63642592057 | 78072727103 |             | 66623390047 | 78072726130 |
|              | 40         | 10        | 69957345193 | 78072727102 |             | 66623390048 | 78072721255 |
|              | 50         | 10        | 69957346716 | 78072727101 |             | 66623390049 | 78072721250 |
|              | 60         | 10        | 69957344423 | 78072727100 | 78072728621 | 66623390050 | 78072721245 |
|              | 80         | 10        | 69957345100 | 78072727099 | 78072728619 | 66623390051 | 78072721240 |
|              | 100        | 10        | 66261052522 |             | 78072728617 |             | 78072721235 |
|              | 120        | 10        | 66261052520 |             | 78072728615 |             | 78072721230 |
|              | 150        | 10        |             |             | 78072728615 |             | 78072721225 |
|              | 180        | 10        |             |             | 78072728613 |             | 78072721225 |
|              | 220        | 10        |             |             | 78072728611 |             | 78072721223 |
|              | 320        | 10        |             |             | 78072728609 |             | 78072763677 |
|              | 2 x 60     | 24        | 10          |             |             |             |             |
| 36           |            | 10        | 69957345196 |             |             | 66623390052 | 66261054787 |
| 40           |            | 10        | 69957394425 | 78072727124 |             | 66623390053 | 78072701170 |
| 50           |            | 10        | 69957346149 |             |             | 66623390054 | 78072721300 |
| 60           |            | 10        | 69957344901 | 78072727122 |             | 66623390055 | 78072762537 |
| 80           |            | 10        | 63642592574 | 78072727121 |             | 66623390056 | 78072721290 |
| 100          |            | 10        | 66261052222 |             | 66261082976 |             | 78072721285 |
| 120          |            | 10        | 66261042738 |             | 78072761958 |             | 78072721280 |
| 150          |            | 10        |             |             |             |             |             |
| 180          |            | 10        |             |             |             |             | 78072744018 |
| 220          |            | 10        |             |             | 78072702695 |             | 78072720441 |
| 240          |            | 10        |             |             | 78072706282 |             | 78072744020 |
| 320          |            | 10        |             |             |             |             | 78072761862 |
| 2 x 72       | 24         | 10        | 66254433969 |             |             |             | 78072702825 |
|              | 36         | 10        | 69957345460 | 78072727147 |             | 66623390057 | 78072721335 |
|              | 40         | 10        | 69957346729 | 78072727146 |             | 66623390058 | 78072721332 |
|              | 50         | 10        | 69957344966 | 78072727145 |             | 66623390059 | 78072784894 |
|              | 60         | 10        | 69957345157 | 78072727144 | 78072728645 | 66623390060 | 78072721325 |
|              | 80         | 10        | 69957344961 | 78072727142 | 78072728643 | 66623334237 | 78072721320 |
|              | 100        | 10        | 66261041897 |             | 66261025537 |             | 78072723235 |
|              | 120        | 10        | 66261044095 |             | 78072728639 |             | 78072721318 |
|              | 150        | 10        |             |             | 78072761770 |             | 78072761973 |
|              | 180        | 10        |             |             | 78072763853 |             | 78072718488 |
|              | 220        | 10        |             |             | 78072728633 |             | 78072765601 |
|              | 320        | 10        |             |             |             |             | 78072721308 |

CONTINUED...





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

AVAILABILITY



|            |                    |                       |                       |                       |                   |                      |
|------------|--------------------|-----------------------|-----------------------|-----------------------|-------------------|----------------------|
| 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>NEON R766</b>  | <b>METALITE R228</b> |
| ABRASIVE:  | Ceramic Alumina    | Zirconia Alumina      | Zirconia Alumina      | Zirconia Alumina      | Premium A/O Blend | Aluminum Oxide       |
| BACKING:   | Y-wt. Polyester    | Y-wt. Cotton          | X-wt. Polyester       | Y-wt. Polyester       | Y-wt. Polyester   | X-wt. Cotton         |

| SIZE (W x L) | GRIT | STD. PKG. | PART #      | PART #       | PART #       | PART #      | PART #      | PART #      |
|--------------|------|-----------|-------------|--------------|--------------|-------------|-------------|-------------|
| 2-1/2 x 48   | 36   | 10        |             |              |              |             |             | 66623390061 |
|              | 40   | 10        |             |              |              |             |             | 66623390062 |
|              | 50   | 10        |             |              |              |             |             | 66623390063 |
|              | 60   | 10        |             |              |              |             |             | 66623390064 |
|              | 80   | 10        |             |              |              |             |             | 66623390065 |
| 2-1/2 x 60   | 24   | 10        |             |              |              | 78072737759 |             | 78072708296 |
|              | 36   | 10        | 69957344963 | 78072727235  |              |             | 66623390066 | 78072721610 |
|              | 40   | 10        | 69957346523 | 78072727234  |              |             | 66623390067 | 78072721605 |
|              | 50   | 10        | 69957345300 | 78072727233  |              |             | 66623390068 | 78072721600 |
|              | 60   | 10        | 69957345002 | 78072727232  | 78072728692  |             | 66623390069 | 78072721595 |
|              | 80   | 10        | 69957346095 | 78072727231  | 78072728690  |             | 66623390070 | 78072721590 |
|              | 100  | 10        |             |              | 78072768991  |             |             | 78072721585 |
|              | 120  | 10        |             |              | 78072728686  |             |             | 78072721580 |
|              | 150  | 10        |             |              |              |             |             | 78072710118 |
|              | 180  | 10        |             |              | 78072728682  |             |             | 78072721570 |
| 220          | 10   |           |             | 78072778217  |              |             | 78072721565 |             |
| 4 x 36       | 36   | 10        |             |              |              |             | 66623390071 | 78072722110 |
|              | 40   | 10        |             |              |              |             | 66623390072 | 78072722105 |
|              | 50   | 10        |             | 78072727475  |              |             | 66623390073 | 78072722100 |
|              | 60   | 10        |             |              | 78072728827  |             | 66623390074 | 78072722095 |
|              | 80   | 10        |             | 78072727473  | 78072728825  |             | 66623390075 | 78072722090 |
|              | 100  | 10        |             |              | 78072728823  |             |             | 78072722085 |
|              | 120  | 10        |             |              | 78072728821  |             |             | 78072722080 |
|              | 150  | 10        |             |              |              |             |             | 78072722079 |
|              | 180  | 10        |             |              |              |             |             | 78072722075 |
|              | 240  | 10        |             |              |              |             |             | 78072722926 |
| 320          | 10   |           |             |              |              |             | 78072722071 |             |
| 4 x 54       | 36   | 10        | 69957346358 |              |              |             | 66623390076 | 78072722185 |
|              | 40   | 10        | 63642594113 |              |              |             | 66623390077 | 78072722180 |
|              | 50   | 10        | 66254469595 |              |              |             | 66623390078 | 78072722175 |
|              | 60   | 10        | 66261063419 | 78072727518  | 78072725116  |             | 66623390079 | 78072722170 |
|              | 80   | 10        | 69957345139 |              | 78072782996  |             | 66623390080 | 78072722165 |
|              | 100  | 10        |             |              |              |             |             | 78072722160 |
|              | 120  | 10        | 66261088705 |              | 78072728847  |             |             | 78072722155 |
|              | 150  | 10        |             |              |              |             |             | 78072728381 |
| 4 x 60       | 24   | 10        | 66254461488 |              |              |             |             | 78072772342 |
|              | 36   | 10        | 69957345298 |              |              | 78072737955 |             | 78072705189 |
|              | 40   | 10        | 69957391732 |              |              |             |             | 78072744693 |
|              | 50   | 10        | 69957346715 |              |              |             |             | 78072761630 |
|              | 60   | 10        | 63642594485 |              | 78072774790  |             |             | 78072762861 |
|              | 80   | 10        | 69957345099 |              | 78072765086  |             |             | 78072784685 |
|              | 100  | 10        |             |              |              |             |             | 78072763161 |
|              | 120  | 10        | 66254416188 |              | 78072766229  |             |             | 78072787840 |
|              | 150  | 10        |             |              |              |             |             | 78072704878 |
|              | 220  | 10        |             |              | 78072709820  |             |             | 78072728393 |
| 240          | 10   |           |             | 78072702594  |              |             | 78072790168 |             |
| 4 x 72       | 36   | 10        |             |              |              | 78072725984 |             |             |
| 6 x 48       | 36   | 10        | 69957345143 | 78072727698  |              |             | 66623390081 | 78072722590 |
|              | 40   | 10        |             | 78072727697  |              |             | 66623390082 |             |
|              | 50   | 10        |             | 78072727696  |              |             | 66623390083 | 78072722580 |
|              | 60   | 10        | 69957344422 | 78072727695* | 78072728937* |             | 66623390084 | 78072722570 |
|              | 80   | 10        |             | 78072727694* | 78072728935* |             | 66623390085 | 78072722565 |
|              | 100  | 10        |             |              | 78072728933* |             |             | 78072722560 |
|              | 120  | 10        |             |              | 78072728931* |             |             | 78072722555 |
|              | 150  | 10        |             |              | 78072770042  |             |             | 78072722550 |
|              | 180  | 10        |             |              |              |             |             | 78072722546 |
|              | 220  | 10        |             |              |              |             |             | 78072722545 |
|              | 240  | 10        |             |              |              |             |             | 78072722543 |
|              | 320  | 10        |             |              |              |             |             |             |

\* STD. PKG. = 20 BELTS

CONTINUED...



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

AVAILABILITY

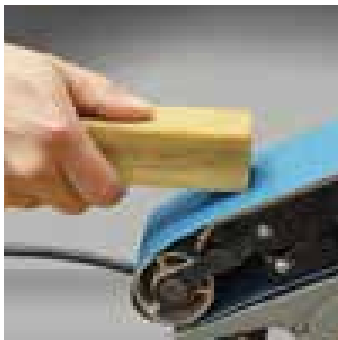


|            |                    |                       |                       |                       |                   |                      |
|------------|--------------------|-----------------------|-----------------------|-----------------------|-------------------|----------------------|
| 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>NEON R766</b>  | <b>METALITE R228</b> |
| ABRASIVE:  | Ceramic Alumina    | Zirconia Alumina      | Zirconia Alumina      | Zirconia Alumina      | Premium A/O Blend | Aluminum Oxide       |
| BACKING:   | Y-wt. Polyester    | Y-wt. Cotton          | X-wt. Polyester       | Y-wt. Polyester       | Y-wt. Polyester   | X-wt. Cotton         |

| SIZE (W x L) | GRIT | STD. PKG. | PART #      | 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 |

TECHtip

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 Centers offer 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 SG ceramic alumina, BlueFire zirconia alumina, and versatile aluminum oxide and silicon carbide belts.

Manufacturing lead-time is two days for narrow belts (1/2"- 12" widths) and three days for wide belts =>14" width. Please see the FastTrack Service belt section for complete availability and lead-times.





2" to 10" wide, over 70" Long

AVAILABILITY



TIER:

BRAND:

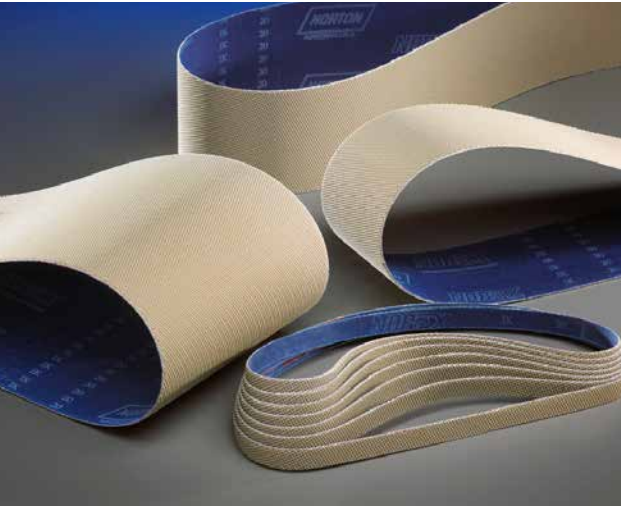
TRADENAME:

ABRASIVE:

BACKING:

| SIZE (W x L) | GRIT | STD. PKG. | PART #       | 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‡ | 78072721445  |
|              | 80   | 10        |              | 78072701958 | 78072750008    |             | 66623390092‡ | 78072721440  |
|              | 120  | 10        |              |             |                | 78072728662 |              |              |
| 3 x 79       | 50   | 10        | 66261090276  |             | 78072748280    |             |              |              |
|              | 60   | 10        |              |             | 78072731833    |             |              |              |
| 3 x 90       | 24   | 10        |              |             |                |             |              |              |
|              | 36   | 10        | 69957346319  |             |                |             |              | 78072785831  |
| 3 x 132      | 24   | 10        | 69957344962● |             | 78072750140    |             |              |              |
|              | 36   | 10        | 69957344710● | 78072753087 | 78072750138 RR |             | 66623390093  | 78072721900  |
|              | 36   | 10        |              |             | 78072750139 L  |             |              |              |
|              | 40   | 10        | 69957344964● | 78072701614 |                |             | 66623390094● |              |
|              | 50   | 10        | 69957344763● | 78072703709 | 78072750135    |             | 66623390095● | 78072721890  |
|              | 60   | 10        | 69957344958‡ |             |                | 78072728794 | 66623390096‡ | 78072721885  |
|              | 80   | 10        | 69957344764‡ |             |                | 78072728792 | 66623390097‡ | 78072721880  |
|              | 100  | 10        |              |             |                | 78072728790 |              |              |
|              | 120  | 10        |              |             |                | 78072728789 |              | 78072721870  |
|              | 150  | 10        |              |             |                |             |              | 78072721865  |
| 4 x 79       | 36   | 10        |              | 66261022622 |                |             |              | 78072721860  |
|              | 40   | 10        |              |             | 78072774955    |             |              |              |
| 4 x 100      | 80   | 10        |              |             | 78072731327    |             |              |              |
|              | 36   | 10        |              |             | 78072768679    |             |              |              |
| 4 x 132      | 24   | 10        |              |             | 78072750289    |             |              |              |
|              | 36   | 10        | 69957343852● | 78072739662 | 78072750287    |             | 66623326093  |              |
|              | 40   | 10        |              |             |                |             | 66623390098  |              |
|              | 60   | 10        |              |             | 78072750281    |             | 66623335394‡ |              |
|              | 80   | 10        |              |             | 78072750279    |             | 66623343488‡ | 78072722385  |
|              | 120  | 10        |              |             |                |             |              | 78072722375  |
| 6 x 78-3/4   | 40   | 10        |              |             | 78072725150    |             |              |              |
| 6 x 79       | 36   | 10        |              |             | 78072738105    |             |              |              |
|              | 40   | 10        |              |             | 78072760469    |             |              |              |
|              | 80   | 10        |              |             | 78072779322    |             |              |              |
| 8 x 107      | 36   | 10        |              |             |                |             | 66623390099  | 78072722795  |
|              | 50   | 10        |              |             |                |             | 66623390100  | 78072749887  |
|              | 60   | 10        |              |             |                |             | 66623347341  | 78072722780* |
|              | 80   | 10        |              |             |                |             | 66623329182  | 78072722775* |
|              | 100  | 10        |              |             |                |             |              |              |
| 10 x 70-1/2  | 36   | 10        |              |             |                |             | 66623347342  | 78072722840  |
|              | 40   | 10        |              |             |                |             | 66623347343  | 78072722835  |
|              | 50   | 10        |              |             |                |             | 66623347344  | 78072722830  |
|              | 60   | 10        |              |             |                |             | 66623347345  | 78072722825  |
|              | 80   | 10        |              |             |                |             | 66623347346  | 78072722820  |

\* STD. PKG. = 20 BELTS  
 ● STD. PKG. = 25 BELTS  
 ‡ STD. PKG. = 50 BELTS



**CATEGORY DEFINITION**

NORaX layered belts outlast conventional abrasive belts with 2 - 5 times longer life. Longer life, higher quality finishes, faster cut rates, and the ability to skip finishing steps all drive down the costs of your finishing processes.

- APPLICATIONS:** Polishing and finishing
- SIZE RANGE:** Stock: 1/4" to 1" wide, 12" to 30" long
- GRIT RANGE:** Stock: X200 and X100
- ABRASIVE GRAIN:** Stock: Ceramic Alumina

**FEATURED PRODUCTS**



**NORaX U936 BELTS**

BEST FOR HIGH-PRESSURE PRECISION APPLICATIONS

**FEATURES**

- Unique, engineered quad surface pattern
- 100% high-performance, micron-graded, cool-cutting Norton SG ceramic alumina abrasive grain
- Improved resin bond system
- Premium, Y-weight polyester waterproof backing
- Fray-resistant backing

**BENEFITS**

- More abrasive contact area
- Higher cut rates while maintaining more consistent finishes
- Up to more than 2X the life vs. competitive engineered ceramic belts
- Lower specific grinding energy
- Increased durability
- Durable; stands up to high-pressure, coolant applications
- Shred-free

**AVAILABILITY**

|                    |                     |                     |
|--------------------|---------------------|---------------------|
| <i>TIER:</i>       | <b>BEST</b>         | <b>BEST</b>         |
| <i>BRAND:</i>      | Norton              | Norton              |
| <i>TRADENAME:</i>  | <b>NORaX U936</b>   | <b>NORaX U936</b>   |
| <i>ABRASIVE:</i>   | Ceramic Alumina     | Ceramic Alumina     |
| <i>BACKING:</i>    | Y-wt. Polyester W/P | Y-wt. Polyester W/P |
| <i>JOINT/FLEX:</i> | Plyweld, TF         | Plyweld, TF         |
| <i>GRIT SIZE:</i>  | X200 (80)           | X100 (150)          |

| SIZE (W x L) | STD. PKG. | PART #      | PART #      |
|--------------|-----------|-------------|-------------|
| 1/4 x 12     | 50        | 66623300249 | 66623300261 |
| 1/2 x 12     | 50        | 66623300245 | 66623300258 |
| 1 x 12       | 50        | 66623300240 | 66623300255 |
| 1/4 x 18     | 50        | 66623300250 | 66623300262 |
| 1/2 x 18     | 50        | 66623300247 | 66623300259 |
| 3/4 x 18     | 50        | 66623300253 | 66623300264 |
| 3/4 x 20-1/2 | 50        | 66623300254 | 66623300265 |
| 1/4 x 24     | 50        | 66623300252 | 66623300263 |
| 1/2 x 24     | 50        | 66623300248 | 66623300260 |
| 1 x 24       | 50        | 66623300243 | 66623300256 |
| 1 x 30       | 50        | 66623300244 | 66623300257 |

Call your local Norton distributor or sales representative for information on additional NORaX belt sizes and specifications.

**NORaX VERSUS FEPA GRADING**

NORaX engineered abrasives perform over a wider range of traditional grit sequences.





**CATEGORY DEFINITION**

For many non-stock belts, our FastTrack belt service centers offer 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 SG ceramic alumina, BlueFire zirconia alumina, versatile aluminum oxide, and silicon carbide belts.

Manufacturing lead-time is two days for narrow belts (1/2" – 12" wide) and three days for wide belts (14 – 52" wide). Please see the FastTrack belt service chart below for complete details on availability and lead-times.

**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                     |

\* FASTTRACK BELT SERVICE APPLIES TO BELTS 25" AND GREATER IN LENGTH



**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





**BELT SPECIFICATIONS AND AVAILABILITY**

| 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   |
| 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   | NEW! Significantly improved-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                     | Norton Neon Aluminum Oxide       | X-wt. Polyester   | NEW! 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 12" | 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 all woodworking applications where loading is a problem   |
| 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 all woodworking applications where loading is not an issue  |
|  Best   | H975             | Narrow, Wide       | 60-220             | Norton Red Heat Ceramic Alumina  | F-wt. Paper     | NEW! 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     | NEW! 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           | Norton Adalox Aluminum Oxide     | F-wt. Paper     | NEW! 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     | NEW! Sharp silicon carbide and antistatic coating create finer finishes on hard materials and veneers where finish is critical                           |



### CATEGORY DEFINITION

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.

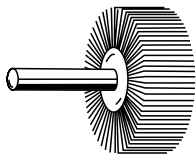
- APPLICATIONS:** Used for a wide range of metal fabrication and welding applications including stock removal, blending, deburring, cleaning, finishing, and polishing
- SIZE RANGE:** Flap wheels with mounted steel shanks: 3/8" - 3" diameter  
Flap wheels with mounted 1/4"-20 thread: 1" - 3" diameter  
Flap wheels with arbor holes: 3-1/2" - 16" diameter
- GRIT RANGE:** 40 - 320
- ABRASIVE GRAIN:** Ceramic Alumina/Aluminum Oxide Blend, Aluminum Oxide



### SHAPE RECOMMENDATION GUIDE

#### SHAPE

#### DESCRIPTION/APPLICATION



#### Flap Wheels with Mounted Steel Shanks

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.



#### Flap Wheels with Mounted 1/4-20 Thread

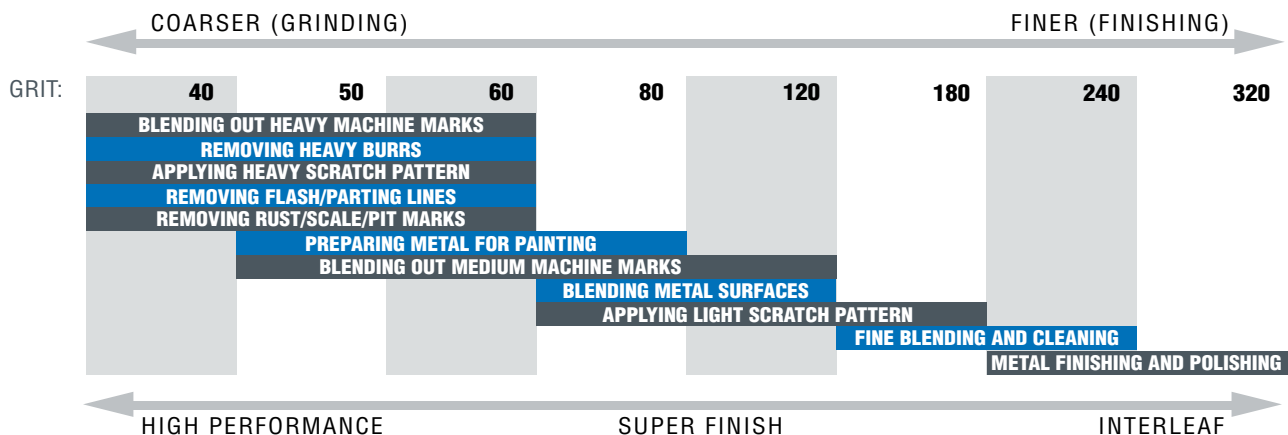
Wheels are designed with a 1/4"-20 thread and flange as an integral part of the wheel. These threads facilitate the quickest changes on air tools using flap wheels exclusively, as there are no special tools needed to change the flap wheel. Also allow extended reach with accessory mandrels.



#### Flap Wheels with Arbor Holes

For use on larger portable and fixed-base tools where the wheel must fit on an existing arbor.

### APPLICATION/GRIT RECOMMENDATION GUIDE



SEE NON-WOVEN FLAP WHEEL SECTION FOR INTERLEAF FLAP WHEELS



## FEATURED PRODUCTS



### MERIT HIGH PERFORMANCE

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

**FEATURES**

- Long-lasting ceramic alumina/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



### MERIT SUPER FINISH

GOOD CHOICE WHERE SUPERIOR FINISH IS REQUIRED, OR ON LOW-PRESSURE APPLICATIONS

**FEATURES**

- Long-lasting premium aluminum oxide abrasive blend
- Premium flexible cotton backing

**BENEFITS**

- Excellent cut rate on low-pressure finishing operations
- Softer acting with more flexibility for improved finishing



### MERIT METAL

GOOD CHOICE WHEN INITIAL PRICE IS THE MAIN CONSIDERATION

**FEATURES**

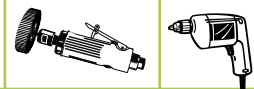
- Quality aluminum oxide abrasive
- Engineered, low-cost cotton backing
- Competitive initial price point

**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"

AVAILABILITY

TIER: **GOOD**  
 BRAND: Merit  
 TRADENAME: **MICRO-MINI**  
 ABRASIVE: Aluminum Oxide

TIER: **GOOD**  
 BRAND: Merit  
 TRADENAME: **MICRO-MINI**  
 ABRASIVE: Aluminum Oxide

| SIZE (D x W x SK.) | GRIT   | MAX. RPM | STD. PKG.   | PART #      |
|--------------------|--------|----------|-------------|-------------|
| 3/8 x 3/8 x 1/8    | 60     | 40,000   | 10          | 08834137470 |
|                    | 80     | 40,000   | 10          | 08834137471 |
|                    | 120    | 40,000   | 10          | 08834137472 |
|                    | 180    | 40,000   | 10          | 08834137473 |
|                    | 240    | 40,000   | 10          | 08834137474 |
| 5/8 x 5/8 x 1/8    | 60     | 37,000   | 10          | 08834137480 |
|                    | 80     | 37,000   | 10          | 08834137481 |
|                    | 120    | 37,000   | 10          | 08834137482 |
|                    | 180    | 37,000   | 10          | 08834137483 |
|                    | 240    | 37,000   | 10          | 08834137484 |
| 5/8 x 3/4 x 1/8    | 80     | 37,000   | 10          | 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          | 08834137550 |
|                    | 80     | 35,000   | 10          | 08834137551 |
|                    | 120    | 35,000   | 10          | 08834137552 |
|                    | 180    | 35,000   | 10          | 08834137553 |
|                    | 240    | 35,000   | 10          | 08834137554 |
| 3/4 x 3/8 x 1/8    | 60     | 35,000   | 10          | 08834137560 |
|                    | 80     | 35,000   | 10          | 08834137561 |
|                    | 120    | 35,000   | 10          | 08834137562 |
|                    | 180    | 35,000   | 10          | 08834137563 |
|                    | 240    | 35,000   | 10          | 08834137564 |
| 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 |
| 3/4 x 3/4 x 1/8     | 60   | 35,000   | 10        | 08834137590 |
|                     | 80   | 35,000   | 10        | 08834137591 |
|                     | 120  | 35,000   | 10        | 08834137592 |
|                     | 180  | 35,000   | 10        | 08834137593 |
|                     | 240  | 35,000   | 10        | 08834137594 |
| 1-3/16 x 1/8 x 1/8  | 80   | 30,000   | 10        | 08834137491 |
|                     | 120  | 35,000   | 10        | 08834137492 |
|                     | 180  | 35,000   | 10        | 08834137493 |
|                     | 240  | 35,000   | 10        | 08834137494 |
|                     | 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 |
| 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 |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



### Flap Wheel Test Kits

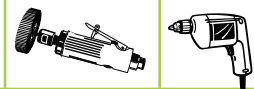
#### Micro-Mini Test Kit "MMC"

- 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"



#### Shank-Mounted Mini 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" 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

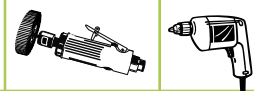
#### AVAILABILITY

TIER: **GOOD**  
 BRAND: Merit  
 TRADENAME: **HIGH PERFORMANCE**  
 ABRASIVE: Ceramic Alumina/  
 Aluminum Oxide Blend



| SIZE (D x W x SK.)  | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      |
|---------------------|------|----------|-----------|-------------|-------------|-------------|
| 1 x 1/2 x 1/4       | 60   | 30,000   | 10        |             |             | 08834149800 |
|                     | 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        | 08834137100 | 08834130754 |             |
|                     | 80   | 30,000   | 10        | 08834137101 | 08834130755 |             |
|                     | 120  | 30,000   | 10        | 08834137102 | 08834130756 |             |
|                     | 180  | 30,000   | 10        | 08834131536 | 08834130757 |             |
|                     | 240  | 30,000   | 10        | 08834137104 | 08834130758 |             |
|                     | 320  | 30,000   | 10        | 08834137357 | 08834130759 |             |
| 1 x 1 x 1/4         | 40   | 30,000   | 10        | 08834131259 |             | 08834149803 |
|                     | 50   | 30,000   | 10        | 08834137309 |             |             |
|                     | 60   | 30,000   | 10        | 08834137310 | 08834130760 | 08834149804 |
|                     | 80   | 30,000   | 10        | 08834137311 | 08834130761 | 08834149805 |
|                     | 120  | 30,000   | 10        | 08834137312 | 08834130762 | 08834149806 |
|                     | 180  | 30,000   | 10        | 08834137313 | 08834130763 | 08834149807 |
|                     | 240  | 30,000   | 10        | 08834137114 | 08834130764 | 08834149808 |
|                     | 320  | 30,000   | 10        | 08834137315 | 08834130765 | 08834149809 |
| 1-3/16 x 1/4 x 1/4  | 60   | 25,000   | 10        |             | 08834137600 |             |
|                     | 80   | 25,000   | 10        |             | 08834137601 |             |
|                     | 120  | 25,000   | 10        |             | 08834137602 |             |
| 1-3/16 x 1/2 x 1/4  | 60   | 25,000   | 10        |             | 08834137810 |             |
|                     | 80   | 25,000   | 10        |             | 08834137811 |             |
|                     | 120  | 25,000   | 10        |             | 08834137812 |             |
| 1-3/8 x 5/8 x 1/4   | 60   | 30,000   | 10        | 08834137320 |             |             |
|                     | 80   | 30,000   | 10        | 08834137321 |             |             |
|                     | 120  | 30,000   | 10        | 08834137322 |             |             |
|                     | 180  | 30,000   | 10        | 08834137323 |             |             |
|                     | 240  | 30,000   | 10        | 08834137324 |             |             |
| 1-1/2 x 1/2 x 1/4   | 60   | 25,000   | 10        |             | 08834137130 | 08834149810 |
|                     | 80   | 25,000   | 10        |             | 08834137131 | 08834149811 |
|                     | 120  | 25,000   | 10        |             | 08834137132 | 08834149812 |
|                     | 180  | 25,000   | 10        |             | 08834137133 |             |
|                     | 240  | 25,000   | 10        |             | 08834137134 |             |
| 1-1/2 x 1 x 1/4     | 40   | 25,000   | 10        | 08834135140 |             |             |
|                     | 60   | 25,000   | 10        | 08834137340 | 08834130766 | 08834149816 |
|                     | 80   | 25,000   | 10        | 08834137141 | 08834130767 | 08834149817 |
|                     | 120  | 25,000   | 10        | 08834137142 | 08834130768 | 08834149818 |
|                     | 180  | 25,000   | 10        | 08834137343 | 08834130769 | 08834149819 |
|                     | 240  | 25,000   | 10        | 08834132101 | 08834130770 |             |
|                     | 320  | 25,000   | 10        | 08834137145 | 08834130771 |             |
| 1-1/2 x 1-1/2 x 1/4 | 40   | 25,000   | 10        | 08834130642 |             |             |
|                     | 60   | 25,000   | 10        | 08834130643 |             |             |
|                     | 80   | 25,000   | 10        | 08834130644 |             |             |
|                     | 120  | 25,000   | 10        | 08834130641 |             |             |
|                     | 180  | 25,000   | 10        | 08834130695 |             |             |
| 2 x 1/2 x 1/4       | 40   | 25,000   | 10        |             |             | 08834149820 |
|                     | 60   | 25,000   | 10        |             | 08834137350 | 08834149821 |
|                     | 80   | 25,000   | 10        |             | 08834137151 | 08834149822 |
|                     | 120  | 25,000   | 10        |             | 08834137152 | 08834149823 |
|                     | 180  | 25,000   | 10        |             | 08834137353 |             |
|                     | 240  | 25,000   | 10        |             | 08834137354 |             |
|                     | 320  | 25,000   | 10        |             | 08834137355 |             |

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

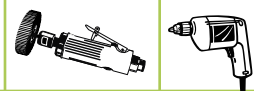
AVAILABILITY



|            |  |                |                |
|------------|--|----------------|----------------|
| TIER:      | GOOD                                     | GOOD           | GOOD           |
| BRAND:     | Merit                                    | Merit          | Merit          |
| TRADENAME: | HIGH PERFORMANCE                         | SUPER FINISH   | METAL          |
| ABRASIVE:  | Ceramic Alumina/<br>Aluminum Oxide Blend | Aluminum Oxide | Aluminum Oxide |

| SIZE (D x W x SK.)  | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      |
|---------------------|------|----------|-----------|-------------|-------------|-------------|
| 2 x 3/4 x 1/4       | 40   | 25,000   | 10        | 08834137158 |             |             |
|                     | 60   | 25,000   | 10        | 08834137160 | 08834130772 |             |
|                     | 80   | 25,000   | 10        | 08834137161 | 08834130773 |             |
|                     | 120  | 25,000   | 10        | 08834137162 | 08834130774 |             |
|                     | 180  | 25,000   | 10        | 08834137163 | 08834130775 |             |
| 2 x 1 x 1/4         | 40   | 25,000   | 10        | 08834137377 |             | 08834149824 |
|                     | 50   | 25,000   | 10        | 08834137169 |             |             |
|                     | 60   | 25,000   | 10        | 08834137370 | 08834130778 | 08834149825 |
|                     | 80   | 25,000   | 10        | 08834137371 | 08834130779 | 08834149826 |
|                     | 120  | 25,000   | 10        | 08834137372 | 08834130780 | 08834149827 |
|                     | 180  | 25,000   | 10        | 08834137373 | 08834130781 | 08834149828 |
|                     | 240  | 25,000   | 10        | 08834137374 | 08834130782 |             |
|                     | 320  | 25,000   | 10        | 08834137375 | 08834130783 |             |
| 2 x 1-1/2 x 1/4     | 40   | 25,000   | 10        | 08834137183 |             |             |
|                     | 60   | 25,000   | 10        | 08834137380 | 08834130784 |             |
|                     | 80   | 25,000   | 10        | 08834137381 | 08834130785 |             |
|                     | 120  | 25,000   | 10        | 08834137382 | 08834130786 |             |
|                     | 180  | 25,000   | 10        | 08834137383 |             |             |
|                     | 240  | 25,000   | 10        | 08834137384 |             |             |
|                     | 320  | 25,000   | 10        | 08834137319 |             |             |
| 2-1/2 x 1 x 1/4     | 40   | 20,000   | 10        | 08834137408 |             |             |
|                     | 60   | 20,000   | 10        | 08834137410 | 08834130790 |             |
|                     | 80   | 20,000   | 10        | 08834137411 | 08834130791 |             |
|                     | 120  | 20,000   | 10        | 08834137412 | 08834130792 |             |
|                     | 180  | 20,000   | 10        | 08834137413 | 08834130793 |             |
|                     | 240  | 20,000   | 10        | 08834137633 | 08834130794 |             |
|                     | 320  | 20,000   | 10        | 08834137415 | 08834130795 |             |
| 2-1/2 x 1-1/2 x 1/4 | 60   | 20,000   | 10        | 08834137420 |             |             |
|                     | 80   | 20,000   | 10        | 08834137421 |             |             |
|                     | 120  | 20,000   | 10        | 08834137422 |             |             |
| 3 x 1/2 x 1/4       | 40   | 20,000   | 10        |             |             | 08834149833 |
|                     | 60   | 20,000   | 10        |             | 08834137230 | 08834149834 |
|                     | 80   | 20,000   | 10        |             | 08834137231 | 08834149835 |
|                     | 120  | 20,000   | 10        |             | 08834131610 |             |
|                     | 180  | 20,000   | 10        |             | 08834137433 |             |
|                     | 240  | 20,000   | 10        |             | 08834137235 |             |
|                     | 320  | 20,000   | 10        |             | 08834137287 |             |
| 3 x 3/4 x 1/4       | 60   | 20,000   | 10        | 08834137440 | 08834130796 |             |
|                     | 80   | 20,000   | 10        | 08834137441 | 08834130797 |             |
|                     | 120  | 20,000   | 10        |             | 08834130798 |             |
| 3 x 1 x 1/4         | 40   | 20,000   | 10        | 08834137456 |             | 08834149836 |
|                     | 60   | 20,000   | 10        | 08834137450 | 08834130802 | 08834149837 |
|                     | 80   | 20,000   | 10        | 08834137451 | 08834130803 | 08834149838 |
|                     | 120  | 20,000   | 10        | 08834137252 | 08834130804 | 08834149839 |
|                     | 180  | 20,000   | 10        | 08834137253 | 08834130805 | 08834149840 |
|                     | 240  | 20,000   | 10        | 08834135339 | 08834130806 |             |
|                     | 320  | 20,000   | 10        | 08834135341 | 08834130807 |             |
|                     |      |          |           |             |             |             |
| 3 x 2 x 1/4         | 40   | 12,000   | 10        | 08834137460 |             |             |
|                     | 60   | 12,000   | 10        | 08834137260 |             |             |
|                     | 80   | 12,000   | 10        | 08834137261 |             |             |
|                     | 120  | 12,000   | 10        | 08834137262 |             |             |
|                     | 180  | 12,000   | 10        | 08834137263 |             |             |
| 3 x 2 x 3/8         | 60   | 12,000   | 10        | 08834135050 |             |             |
|                     | 80   | 12,000   | 10        | 08834135051 |             |             |
|                     | 120  | 12,000   | 10        | 08834135052 |             |             |

SOME FLAP WHEEL PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



### 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

#### AVAILABILITY



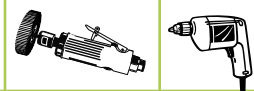
|            |  |                     |
|------------|--|---------------------|
| TIER:      | <b>GOOD</b>                              | <b>GOOD</b>         |
| BRAND:     | Merit                                    | Merit               |
| TRADENAME: | <b>HIGH PERFORMANCE</b>                  | <b>SUPER FINISH</b> |
| ABRASIVE:  | Ceramic Alumina/<br>Aluminum Oxide Blend | Aluminum Oxide      |

| SIZE (D x W x THD.)  | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      |
|----------------------|------|----------|-----------|-------------|-------------|
| 1 x 5/8 x 1/4-20     | 60   | 30,000   | 10        | 08834131001 | 08834130700 |
|                      | 80   | 30,000   | 10        | 08834131002 | 08834130701 |
|                      | 120  | 30,000   | 10        | 08834131003 | 08834130702 |
|                      | 180  | 30,000   | 10        |             | 08834130703 |
| 1 x 1 x 1/4-20       | 40   | 30,000   | 10        | 08834131027 |             |
|                      | 60   | 30,000   | 10        | 08834131008 | 08834130706 |
|                      | 80   | 30,000   | 10        | 08834131009 | 08834130707 |
|                      | 120  | 30,000   | 10        | 08834131010 | 08834130708 |
|                      | 180  | 30,000   | 10        | 08834131011 | 08834130709 |
|                      | 240  | 30,000   | 10        | 08834131012 | 08834130710 |
| 1-3/8 x 5/8 x 1/4-20 | 60   | 30,000   | 10        | 08834132001 |             |
|                      | 80   | 30,000   | 10        | 08834132002 | 08834130834 |
|                      | 120  | 30,000   | 10        | 08834132003 |             |
| 1-5/8 x 1/2 x 1/4-20 | 60   | 25,000   | 10        |             | 08834132008 |
|                      | 80   | 25,000   | 10        |             | 08834132009 |
|                      | 120  | 25,000   | 10        |             | 08834132010 |
|                      | 180  | 25,000   | 10        |             | 08834132011 |
| 1-5/8 x 1 x 1/4-20   | 40   | 25,000   | 10        | 08834132051 |             |
|                      | 60   | 25,000   | 10        | 08834132015 | 08834130712 |
|                      | 80   | 25,000   | 10        | 08834132016 | 08834130713 |
|                      | 120  | 25,000   | 10        | 08834132017 | 08834130714 |
|                      | 180  | 25,000   | 10        | 08834132018 | 08834130715 |
|                      | 320  | 25,000   | 10        | 08834132020 |             |
| 2 x 1/2 x 1/4-20     | 60   | 25,000   | 10        |             | 08834133001 |
|                      | 80   | 25,000   | 10        |             | 08834133002 |
|                      | 120  | 25,000   | 10        |             | 08834133003 |
|                      | 180  | 25,000   | 10        |             | 08834133004 |
|                      | 320  | 25,000   | 10        |             | 08834133006 |
| 2 x 3/4 x 1/4-20     | 60   | 25,000   | 10        | 08834133008 | 08834130718 |
|                      | 80   | 25,000   | 10        | 08834133009 | 08834130719 |
|                      | 120  | 25,000   | 10        | 08834133010 | 08834130720 |
|                      | 180  | 25,000   | 10        | 08834133011 |             |
| 2 x 1 x 1/4-20       | 40   | 25,000   | 10        | 08834133044 |             |
|                      | 60   | 25,000   | 10        | 08834133015 | 08834130724 |
|                      | 80   | 25,000   | 10        | 08834133016 | 08834130725 |
|                      | 120  | 25,000   | 10        | 08834133017 | 08834130726 |
|                      | 180  | 25,000   | 10        | 08834133018 | 08834130727 |
|                      | 240  | 25,000   | 10        | 08834133019 | 08834130728 |
| 2 x 1-1/2 x 1/4-20   | 60   | 25,000   | 10        | 08834133020 | 08834130729 |
|                      | 80   | 25,000   | 10        | 08834135201 | 08834130730 |
|                      | 120  | 25,000   | 10        | 08834135202 | 08834130731 |
|                      | 180  | 25,000   | 10        | 08834135203 | 08834130732 |
| 2-1/2 x 1/4 x 1/4-20 | 60   | 20,000   | 10        | 08834135204 |             |
|                      | 80   | 20,000   | 10        |             | 08834134001 |
|                      | 120  | 20,000   | 10        |             | 08834134002 |
|                      | 180  | 20,000   | 10        |             | 08834134003 |
|                      | 240  | 20,000   | 10        |             | 08834134004 |
| 2-1/2 x 3/8 x 1/4-20 | 60   | 20,000   | 10        |             | 08834134005 |
|                      | 80   | 20,000   | 10        |             | 08834134008 |
|                      | 120  | 20,000   | 10        |             | 08834134009 |
| 2-1/2 x 1/2 x 1/4-20 | 60   | 20,000   | 10        |             | 08834134010 |
|                      | 80   | 20,000   | 10        |             | 08834134015 |
|                      | 120  | 20,000   | 10        |             | 08834134016 |
|                      | 180  | 20,000   | 10        |             | 08834134017 |
|                      |      |          |           |             | 08834134018 |

FOR ADAPTERS FOR FLAP WHEELS WITH 1/4"-20 THREAD, SEE THE END OF THIS SECTION

CONTINUED

SOME FLAP WHEEL PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



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

AVAILABILITY



|            |  |                     |
|------------|--|---------------------|
| TIER:      | <b>GOOD</b>                              | <b>GOOD</b>         |
| BRAND:     | Merit                                    | Merit               |
| TRADENAME: | <b>HIGH PERFORMANCE</b>                  | <b>SUPER FINISH</b> |
| ABRASIVE:  | Ceramic Alumina/<br>Aluminum Oxide Blend | Aluminum Oxide      |

| SIZE (D x W x THD.) | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      |
|---------------------|------|----------|-----------|-------------|-------------|
| 2-1/2 x 1 x 1/4-20  | 40   | 20,000   | 10        | 08834134061 |             |
|                     | 60   | 20,000   | 10        | 08834134022 | 08834130736 |
|                     | 80   | 20,000   | 10        | 08834134023 | 08834130737 |
|                     | 120  | 20,000   | 10        | 08834134024 | 08834130738 |
|                     | 180  | 20,000   | 10        | 08834134025 |             |
| 3 x 1/2 x 1/4-20    | 60   | 20,000   | 10        |             | 08834135001 |
|                     | 80   | 20,000   | 10        |             | 08834135002 |
|                     | 120  | 20,000   | 10        |             | 08834135003 |
|                     | 180  | 20,000   | 10        |             | 08834135004 |
| 3 x 3/4 x 1/4-20    | 60   | 20,000   | 10        | 08834135008 | 08834130742 |
|                     | 80   | 20,000   | 10        | 08834135009 |             |
|                     | 120  | 20,000   | 10        | 08834135010 | 08834130744 |
| 3 x 1 x 1/4-20      | 40   | 20,000   | 10        | 08834135230 |             |
|                     | 60   | 20,000   | 10        | 08834135015 | 08834130748 |
|                     | 80   | 20,000   | 10        | 08834135016 | 08834130749 |
|                     | 120  | 20,000   | 10        | 08834135017 | 08834130750 |
|                     | 180  | 20,000   | 10        | 08834135018 | 08834130751 |
|                     | 240  | 20,000   | 10        | 08834135019 | 08834130752 |
|                     | 320  | 20,000   | 10        |             | 08834130753 |

FOR ADAPTERS FOR FLAP WHEELS WITH 1/4"-20 THREAD, SEE THE END OF THIS SECTION  
SOME FLAP WHEEL PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



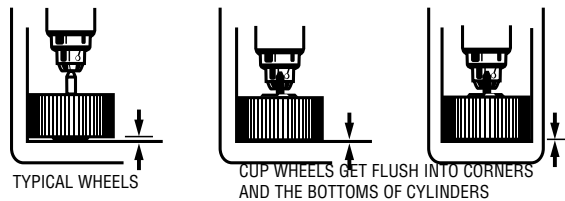
Cup-Type Mini Flap Wheels with 1/4" Mounted Steel Shanks

- 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

AVAILABILITY

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

| SIZE (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 |



Flap Wheel Test Kits

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

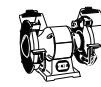
- Part # 08834138001
- Includes ten, 1" to 3" diameter, 1/4"-20 thread mini flap wheels
- Each kit includes a 1/4"-20 QC-4 quick-change adapter

Merit Mini Grind-O-Flex Test Kit "CMM"

- Part # 08834138004
- Includes ten wheels, 1" to 3" diameter in various grits
- Each wheel comes with a 1/4" steel mandrel permanently mounted

Merit Micro Mini GOF 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



### 3-1/2" – 8" Flap Wheels with Arbor Holes

- Flap wheels ranging from 3-12" 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



**GOOD**

Merit

TIER:

BRAND:

TRADENAME:

ABRASIVE:

**HIGH PERFORMANCE**

Ceramic Alumina/  
Aluminum Oxide Blend

#### AVAILABILITY

| SIZE (D x W x H)    | GRIT | MAX. RPM | STD. PKG. | PART #      |
|---------------------|------|----------|-----------|-------------|
| 3-1/2 x 1 x 5/8     | 40   | 12,000   | 10        | 08834122001 |
|                     | 50   | 12,000   | 10        | 08834122002 |
|                     | 60   | 12,000   | 10        | 08834122003 |
|                     | 80   | 12,000   | 10        | 08834122004 |
|                     | 120  | 12,000   | 10        | 08834122006 |
|                     | 180  | 12,000   | 10        | 08834122007 |
|                     | 240  | 12,000   | 10        | 08834122008 |
| 3-1/2 x 1-1/2 x 5/8 | 320  | 12,000   | 10        | 08834122009 |
|                     | 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 |
| 3-1/2 x 2 x 5/8     | 180  | 12,000   | 10        | 08834122018 |
|                     | 320  | 12,000   | 10        | 08834122020 |
|                     | 40   | 12,000   | 10        | 08834122022 |
|                     | 60   | 12,000   | 10        | 08834122024 |
|                     | 80   | 12,000   | 10        | 08834122025 |
|                     | 120  | 12,000   | 10        | 08834122027 |
| 4 x 1 x 5/8         | 180  | 12,000   | 10        | 08834122028 |
|                     | 40   | 12,000   | 10        | 08834122032 |
|                     | 50   | 12,000   | 10        | 08834122033 |
|                     | 60   | 12,000   | 10        | 08834122034 |
|                     | 80   | 12,000   | 10        | 08834122035 |
|                     | 120  | 12,000   | 10        | 08834122037 |
|                     | 180  | 12,000   | 10        | 08834122038 |
| 4 x 1-1/2 x 5/8     | 240  | 12,000   | 10        | 08834122039 |
|                     | 320  | 12,000   | 10        | 08834122040 |
|                     | 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 |
| 4 x 2 x 5/8         | 240  | 12,000   | 10        | 08834122050 |
|                     | 40   | 12,000   | 10        | 08834122053 |
|                     | 50   | 12,000   | 10        | 08834122054 |
|                     | 60   | 12,000   | 10        | 08834122055 |
|                     | 80   | 12,000   | 10        | 08834122056 |
|                     | 120  | 12,000   | 10        | 08834122058 |
|                     | 180  | 12,000   | 10        | 08834122059 |
| 5 x 1-1/2 x 5/8     | 240  | 12,000   | 10        | 08834122060 |
|                     | 320  | 12,000   | 10        | 08834122061 |
|                     | 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 |
| 5 x 2 x 5/8         | 180  | 12,000   | 10        | 08834122070 |
|                     | 240  | 12,000   | 10        | 08834122071 |
|                     | 320  | 12,000   | 10        | 08834122072 |

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. REFER TO REDUCING BUSHING FOR ADDITIONAL INFORMATION.  
 SOME FLAP WHEEL PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.

CONTINUED



3-1/2" – 8" Flap Wheels with Arbor Holes CONTINUED

AVAILABILITY

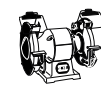


TIER:  
BRAND:  
TRADENAME:  
ABRASIVE:

|   |   |  |
|---|---|--|
| <b>GOOD</b><br>Merit<br><b>HIGH PERFORMANCE</b><br>Ceramic Alumina/<br>Aluminum Oxide Blend | <b>GOOD</b><br>Merit<br><b>SUPER FINISH</b><br>Aluminum Oxide | <b>GOOD</b><br>Merit<br><b>METAL</b><br>Aluminum Oxide |
|---|---|--|

| SIZE (D x W x H) | GRIT | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      |
|------------------|------|----------|-----------|-------------|-------------|-------------|
| 6 x 1/2 x 1      | 40   | 6,000    | 10        | 08834123001 |             |             |
|                  | 60   | 6,000    | 10        | 08834123003 |             |             |
|                  | 80   | 6,000    | 10        | 08834123004 |             |             |
|                  | 120  | 6,000    | 10        | 08834123005 |             |             |
|                  | 150  | 6,000    | 10        | 08834122198 |             |             |
|                  | 180  | 6,000    | 10        | 08834123006 |             |             |
|                  | 240  | 6,000    | 10        | 08834123007 |             |             |
| 6 x 1 x 1        | 320  | 6,000    | 10        | 08834122137 |             |             |
|                  | 40   | 6,000    | 5         | 08834123009 |             | 08834120167 |
|                  | 50   | 6,000    | 5         | 08834123010 |             | 08834120168 |
|                  | 60   | 6,000    | 5         | 08834123011 | 08834121002 | 08834120169 |
|                  | 80   | 6,000    | 5         | 08834123012 | 08834121003 | 08834120170 |
|                  | 100  | 6,000    | 5         |             |             | 08834120171 |
|                  | 120  | 6,000    | 5         | 08834123014 | 08834121005 | 08834120172 |
|                  | 150  | 6,000    | 5         | 08834123015 | 08834121006 |             |
|                  | 180  | 6,000    | 5         | 08834123016 | 08834121007 | 08834120174 |
|                  | 240  | 6,000    | 5         | 08834123017 | 08834121008 | 08834120176 |
| 6 x 1-1/2 x 1    | 320  | 6,000    | 5         | 08834123018 | 08834121009 | 08834120177 |
|                  | 40   | 6,000    | 5         | 08834123020 |             |             |
|                  | 50   | 6,000    | 5         | 08834123021 |             |             |
|                  | 60   | 6,000    | 5         | 08834123022 | 08834121023 |             |
|                  | 80   | 6,000    | 5         | 08834123023 | 08834121024 |             |
|                  | 120  | 6,000    | 5         | 08834123025 | 08834121025 |             |
|                  | 150  | 6,000    | 5         | 08834123026 | 08834121106 |             |
|                  | 180  | 6,000    | 5         | 08834123027 | 08834121026 |             |
|                  | 240  | 6,000    | 5         | 08834123028 |             |             |
|                  | 320  | 6,000    | 5         | 08834123029 | 08834121109 |             |
| 6 x 2 x 1        | 40   | 6,000    | 5         | 08834123031 |             | 08834120189 |
|                  | 50   | 6,000    | 5         | 08834123032 |             |             |
|                  | 60   | 6,000    | 5         | 08834123033 | 08834121030 | 08834120191 |
|                  | 80   | 6,000    | 5         | 08834123034 | 08834121031 | 08834120192 |
|                  | 100  | 6,000    | 5         |             |             | 08834120198 |
|                  | 120  | 6,000    | 5         | 08834123036 | 08834121032 | 08834120194 |
|                  | 180  | 6,000    | 5         | 08834123038 | 08834121033 | 08834120197 |
|                  | 240  | 6,000    | 5         | 08834123039 | 08834121034 | 08834120199 |
|                  | 320  | 6,000    | 5         | 08834123040 | 08834121035 | 08834120493 |
| 6 x 3 x 1        | 40   | 6,000    | 3         | 08834123053 |             |             |
|                  | 50   | 6,000    | 3         | 08834123054 |             |             |
|                  | 60   | 6,000    | 3         | 08834123055 |             |             |
|                  | 80   | 6,000    | 3         | 08834123056 |             |             |
|                  | 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 |             |             |
| 8 x 1 x 1        | 40   | 4,500    | 3         | 08834123070 |             |             |
|                  | 50   | 4,500    | 3         | 08834123071 |             |             |
|                  | 60   | 4,500    | 3         | 08834123072 |             |             |
|                  | 80   | 4,500    | 3         | 08834123073 |             |             |
|                  | 120  | 4,500    | 3         | 08834123075 |             |             |
|                  | 180  | 4,500    | 3         | 08834123077 |             |             |
|                  | 240  | 4,500    | 3         | 08834123078 |             |             |
|                  | 320  | 4,500    | 3         | 08834123079 |             |             |
| 8 x 2 x 1        | 40   | 4,500    | 3         | 08834123092 |             |             |
|                  | 50   | 4,500    | 3         | 08834123093 |             |             |
|                  | 60   | 4,500    | 3         | 08834123094 |             |             |
|                  | 80   | 4,500    | 3         | 08834123095 |             |             |
|                  | 120  | 4,500    | 3         | 08834123097 |             |             |
|                  | 180  | 4,500    | 3         | 08834123099 |             |             |
|                  | 240  | 4,500    | 3         | 08834123100 |             |             |
|                  | 320  | 4,500    | 3         | 08834123101 |             |             |

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. REFER TO REDUCING BUSHING FOR ADDITIONAL INFORMATION.  
 SOME FLAP WHEEL PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



## 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

### AVAILABILITY

|            |  |
|------------|--|
| TIER:      | <b>GOOD</b>                              |
| BRAND:     | Merit                                    |
| TRADENAME: | <b>HIGH PERFORMANCE</b>                  |
| ABRASIVE:  | Ceramic Alumina/<br>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 |
|                    | 60   | 4,000    | 4         | 08834124002 |
|                    | 80   | 4,000    | 4         | 08834124003 |
|                    | 120  | 4,000    | 4         | 08834124005 |
|                    | 150  | 4,000    | 4         | 08834124006 |
|                    | 180  | 4,000    | 4         | 08834124007 |
|                    | 320  | 4,000    | 4         | 08834122889 |
| 10 x 1-1/2 x 1-3/4 | 60   | 4,000    | 4         | 08834124022 |
|                    | 80   | 4,000    | 4         | 08834124023 |
|                    | 120  | 4,000    | 4         | 08834124025 |
|                    | 180  | 4,000    | 4         | 08834124027 |
| 10 x 2 x 1-3/4     | 60   | 4,000    | 2         | 08834124042 |
|                    | 80   | 4,000    | 2         | 08834124043 |
|                    | 120  | 4,000    | 2         | 08834124045 |
|                    | 180  | 4,000    | 2         | 08834124047 |
| 10 x 3 x 1-3/4     | 60   | 4,000    | 2         | 08834124077 |
|                    | 80   | 4,000    | 2         | 08834122316 |
|                    | 120  | 4,000    | 2         | 08834122131 |
|                    | 180  | 4,000    | 2         | 08834122132 |
| 12 x 1 x 1-3/4     | 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     | 40   | 3,000    | 2         | 08834122248 |
|                    | 50   | 3,000    | 2         | 08834122249 |
|                    | 60   | 3,000    | 2         | 08834122250 |
|                    | 80   | 3,000    | 2         | 08834122267 |
|                    | 120  | 3,000    | 2         | 08834122269 |
|                    | 150  | 3,000    | 2         | 08834122270 |
|                    | 180  | 3,000    | 2         | 08834122271 |
|                    | 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 |
| 14 x 1 x 1-3/4     | 60   | 2,400    | 1         | 08834120020 |
|                    | 120  | 2,400    | 1         | 08834120022 |
| 14 x 1-1/2 x 1-3/4 | 60   | 2,400    | 1         | 08834120024 |
|                    | 80   | 2,400    | 1         | 08834120025 |
|                    | 120  | 2,400    | 1         | 08834120026 |
|                    | 180  | 2,400    | 1         | 08834120027 |

### AVAILABILITY

|            |  |
|------------|--|
| TIER:      | <b>GOOD</b>                              |
| BRAND:     | Merit                                    |
| TRADENAME: | <b>HIGH PERFORMANCE</b>                  |
| ABRASIVE:  | Ceramic Alumina/<br>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 |
|                  | 240  | 2,400    | 1         | 08834120036 |
| 14 x 4 x 1-3/4   | 60   | 2,000    | 1         | 08834120037 |
|                  | 80   | 2,000    | 1         | 08834122829 |
|                  | 120  | 2,000    | 1         | 08834122502 |
|                  | 240  | 2,000    | 1         | 08834120041 |
| 16 x 1 x 1-3/4   | 60   | 2,400    | 1         | 08834120042 |
|                  | 80   | 2,400    | 1         | 08834120043 |
|                  | 120  | 2,400    | 1         | 08834120044 |
|                  | 180  | 2,400    | 1         | 08834120045 |
| 16 x 2 x 1-3/4   | 60   | 2,400    | 1         | 08834120046 |
|                  | 80   | 2,400    | 1         | 08834120047 |
|                  | 120  | 2,400    | 1         | 08834120049 |
|                  | 180  | 2,400    | 1         | 08834120050 |
| 16 x 3 x 1-3/4   | 60   | 2,400    | 1         | 08834120051 |
|                  | 80   | 2,400    | 1         | 08834120052 |
|                  | 120  | 2,400    | 1         | 08834120053 |
|                  | 240  | 2,400    | 1         | 08834120054 |
| 16 x 4 x 1-3/4   | 60   | 2,000    | 1         | 08834120055 |
|                  | 80   | 2,000    | 1         | 08834120056 |
|                  | 120  | 2,000    | 1         | 08834120057 |
|                  | 240  | 2,000    | 1         | 08834120058 |
| 16 x 6 x 1-3/4   | 60   | 2,000    | 1         | 08834120060 |
|                  | 80   | 2,000    | 1         | 08834122435 |
|                  | 120  | 2,000    | 1         | 08834120068 |
|                  | 180  | 2,000    | 1         | 08834120069 |
| 16 x 6 x 1-3/4   | 120  | 2,000    | 1         | 08834120070 |
|                  | 240  | 2,000    | 1         | 08834120071 |

FOR FLAP WHEEL WITH ARBOR HOLE ADAPTERS AND BUSHINGS, SEE THE END OF THIS SECTION FOR ADDITIONAL INFORMATION.

SOME FLAP WHEEL PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.





## 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  
 FOR ADDITIONAL ALUMINUM REDUCING BUSHINGS SEE NON-WOVEN CONVOLUTE WHEEL  
 SECTION PAGE 198



08834125001



08834125007



08834125003



08834125027



08834125016

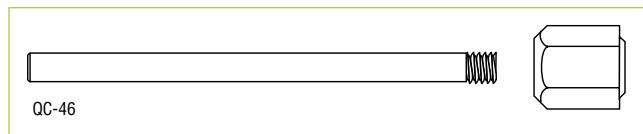
## Adapters for 1/4"-20 Thread Mini and Arbor Hole Flap Wheels

| 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 |

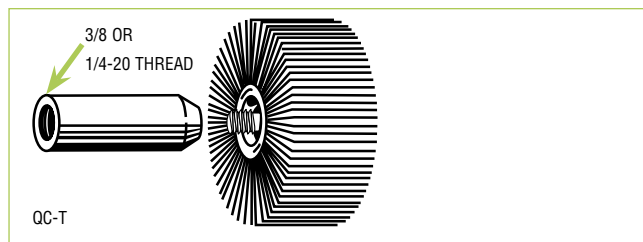
STANDARD PACKAGE = 1 ADAPTER  
 OTHER THREAD SIZES AVAILABLE FOR QUOTATION



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



#### AVAILABILITY

|            |                    |
|------------|--------------------|
| TIER:      | <b>GOOD</b>        |
| BRAND:     | Merit              |
| TRADENAME: | <b>SAND-O-FLEX</b> |
| ABRASIVE:  | Aluminum Oxide     |

| MODEL #   | GRIT | STD. PKG. | PART #      |
|---|------|-----------|-------------|
| <b>Sand-O-Flex Wheel</b>  |      |           |             |
| 350-RP  |      | 1         | 08834111051 |
| Comes assembled with 80 grit A/O resin bond scored refill and brushes |      |           |             |
| <b>Sand-O-Flex Accessories</b>  |      |           |             |
| Bench Grinder Adapter 350-RP<br>1/4 shank to 1/2 shank                |      | 1         | 08834111055 |
| Replacement Brushes for 350-RP;<br>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 |



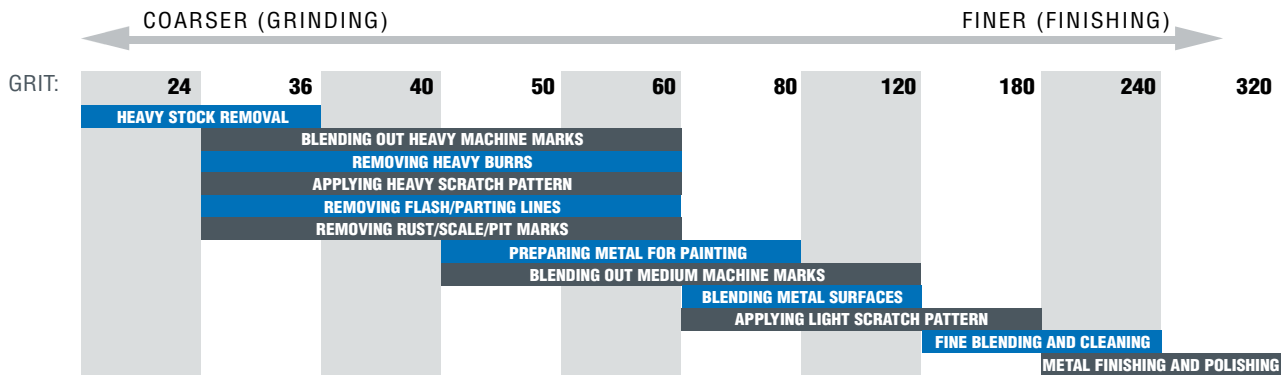


**CATEGORY DEFINITION**

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:** Aluminum Oxide
- OTHER:** Use with rubber expanding drum

**APPLICATION/GRIT RECOMMENDATION GUIDE**



**AVAILABILITY**


**GOOD**  
Merit  
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 | 08834196886 | 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   | 08834196327 | -           | -           | -           | 08834196211 | 08834196772 | -           | -           |
| 180   | 08834196490 | -           | 08834196504 | -           | 08834196209 | 08834196713 | -           | -           |
| 240   | -           | -           | 08834196481 | -           | 08834196564 | 08834196814 | -           | -           |
| 320   | 08834196865 | -           | 08834196830 | -           | 08834196505 | 08834196487 | -           | -           |
| <b>PKG. QTY. STOCK</b>  | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     | 100/box     |
| <b>MOQ NON-STOCK</b>  | 400         | 400         | 300         | 300         | 300         | 300         | 300         | 200         |
| <b>Expanding Rubber Drums</b>   |             |             |             |             |             |             |             |             |
|  | 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 |


SOME MERIT SPECIALTY PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.




AVAILABILITY

| GOOD  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| Merit   |  |  |  |  |  |  |  |  |
| 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  | -                                      | 08834196613                            | 08834196776                            | 08834196596                            | -                                      | -                                      | 08834196563                            | 08834196708                            |
| 36  | 08834196769                            | 08834196609                            | 08834196261                            | 08834196238                            | 08834196953                            | 08834196058                            | 08834196072                            | 08834196525                            |
| 40  | 08834196605                            | 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   | 08834196567                            | 08834196230                            | 08834196502                            | 08834196501                            | 08834196766                            | 08834196157                            | 08834196167                            | 08834196257                            |
| 120   | 08834196579                            | 08834196226                            | 08834196219                            | 08834196057                            | 08834196746                            | 08834197592                            | 08834196177                            | 08834196677                            |
| 150   | 08834196631                            | 08834196231                            | 08834196822                            | -                                      | 08834197283                            | -                                      | 08834196686                            | 08834197639                            |
| 180   | 08834197116                            | 08834196056                            | 08834196565                            | 08834196851                            | -                                      | -                                      | 08834196059                            | 08834196790                            |
| 240   | 08834196603                            | 08834196859                            | 08834196668                            | -                                      | 66254410751                            | 08834197287                            | 08834196178                            | 08834196526                            |
| 320   | 08834196806                            | -                                      | 08834196624                            | 08834199664                            | -                                      | -                                      | 08834196789                            | 08834197700                            |
| <b>PKG. QTY. STOCK</b>  | 100/box                                | 100/box                                | 100/box                                | 100/box                                | 100/box                                | 100/box                                | 100/box                                | 100/box                                |
| <b>MOQ NON-STOCK</b>  | 300                                    | 300                                    | 300                                    | 300                                    | 200                                    | 200                                    | 300                                    | 200                                    |
| <b>Expanding Rubber Drums</b>   |  |  |  |  |  |  |  |  |
|  | 1/4 Shank<br>27,000 RPM<br>08834196909 | 1/4 Shank<br>24,000 RPM<br>08834196910 | 1/4 Shank<br>17,000 RPM<br>08834196911 | 1/4 Shank<br>10,000 RPM<br>08834196912 | 1/4 Shank<br>10,000 RPM<br>08834196913 | 1/4 Shank<br>20,000 RPM<br>08834196914 | 1/4 Shank<br>18,000 RPM<br>08834196916 | 1/4 Shank<br>10,000 RPM<br>08834196917 |

SOME MERIT SPECIALTY PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.

| GOOD  |                                       |             |  |  |                                       |             |  |                                       |
|---|---------------------------------------|-------------|--|--|---------------------------------------|-------------|--|---------------------------------------|
| Merit   |                                       |             |  |  |                                       |             |  |                                       |
| 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                           | 08834197806 | 08834196684                            | 08834196220                            | 08834196539                           | -           | 08834196841                            | 08834196700                           |
| 36  | 08834196267                           | 08834196665 | 08834196222                            | 08834196164                            | 08834196657                           | 08834197063 | 08834196233                            | 08834196509                           |
| 40  | 08834196689                           | -           | 08834196223                            | 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                           | 08834196445 | 08834196216                            | 08834196182                            | 08834196543                           | 08834196522 | 08834196508                            | 08834196521                           |
| 120   | 08834196507                           | 08834196197 | 08834196707                            | 08834196066                            | 08834196079                           | 08834196343 | 08834196595                            | 08834196586                           |
| 150   | 08834197664                           | -           | 08834196989                            | 08834197750                            | 08834197376                           | -           | -                                      | -                                     |
| 180   | 08834196987                           | 08834196356 | -                                      | 08834196535                            | -                                     | 08834197869 | 08834196661                            | 08834196536                           |
| 240   | -                                     | -           | 08834196491                            | 08834196260                            | 08834197709                           | -           | 08834197983                            | -                                     |
| 320   | -                                     | -           | 08834196063                            | 08834197647                            | -                                     | -           | -                                      | -                                     |
| <b>PKG. QTY. STOCK</b>  | 100/box                               | 100/box     | 100/box                                | 100/box                                | 100/box                               | 100/box     | 100/box                                | 100/box                               |
| <b>MOQ NON-STOCK</b>  | 200                                   | 100         | 300                                    | 200                                    | 200                                   | 100         | 200                                    | 200                                   |
| <b>Expanding Rubber Drums</b>   |                                       |             |  |  |                                       |             |  |                                       |
|  | 1/4 Shank<br>8,000 RPM<br>08834196918 | NA          | 1/4 Shank<br>12,000 RPM<br>08834196921 | 1/4 Shank<br>10,000 RPM<br>08834196922 | 1/4 Shank<br>8,000 RPM<br>08834196923 | NA          | 1/4 Shank<br>11,000 RPM<br>08834196926 | 1/4 Shank<br>8,000 RPM<br>08834196927 |

SOME MERIT SPECIALTY PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.

| GOOD  |                                       |             |             |                                       |             |                                       |                                       |
|---|---------------------------------------|-------------|-------------|---------------------------------------|-------------|---------------------------------------|---------------------------------------|
| Merit   |                                       |             |             |                                       |             |                                       |                                       |
| 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                           | 08834197903 | -           | 08834196795                           | -           | 08834196263                           | 08834196256                           |
| 36  | 08834196110                           | 08834196827 | 08834197140 | 08834196717                           | 08834196802 | 08834196545                           | 08834196262                           |
| 40  | 08834196172                           | 08834196151 | 08834197158 | 08834196755                           | -           | 08834196090                           | 08834196555                           |
| 50  | 08834196187                           | 08834196152 | 08834196620 | -                                     | -           | 08834196264                           | 08834196253                           |
| 60  | 08834196173                           | 08834196175 | -           | 08834196150                           | 08834196719 | 08834196530                           | 08834196188                           |
| 80  | 08834196181                           | 08834196198 | 08834196270 | 08834196524                           | 08834196633 | 08834196265                           | 08834196159                           |
| 100   | 08834196193                           | 08834196199 | -           | 08834196831                           | -           | -                                     | 08834196250                           |
| 120   | 08834196585                           | 08834196200 | 08834196729 | 08834196089                           | -           | 08834196531                           | 08834196572                           |
| 150   | 08834196629                           | -           | 08834195857 | -                                     | -           | -                                     | 08834196452                           |
| 180   | 08834196306                           | -           | -           | -                                     | -           | -                                     | 08834196131                           |
| 240   | 08834196375                           | -           | -           | -                                     | -           | -                                     | 08834196574                           |
| 320   | 08834196628                           | -           | 08834195825 | -                                     | -           | -                                     | 08834197968                           |
| <b>PKG. QTY. STOCK</b>  | 100/box                               | 100/box     | 100/box     | 100/box                               | 100/box     | 100/box                               | 100/box                               |
| <b>MOQ NON-STOCK</b>  | 200                                   | 100         | 100         | 200                                   | 200         | 100                                   | 100                                   |
| <b>Expanding Rubber Drums</b>   |                                       |             |             |                                       |             |                                       |                                       |
|  | 1/4 Shank<br>6,000 RPM<br>08834196928 | NA          | NA          | 3/8 Shank<br>3,000 RPM<br>08834196929 | NA          | 3/8 Shank<br>3,000 RPM<br>08834196930 | 3/8 Shank<br>3,000 RPM<br>08834196931 |

SOME MERIT SPECIALTY PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



## CATEGORY DEFINITION

Cartridge, spiral rolls and 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.

**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:** Cartridge rolls, spiral rolls (full taper, half taper, and sidewall taper), and tapered cone points

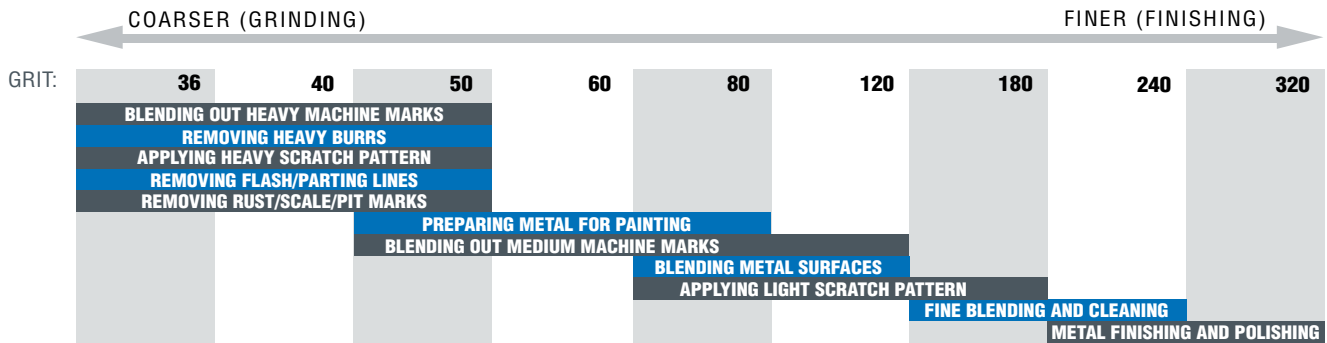
**GRIT RANGE:** 36 - 320

**ABRASIVE GRAIN:** Ceramic Alumina, Aluminum Oxide, Silicon Carbide

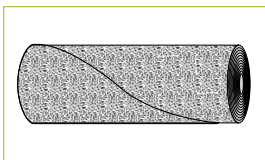
**BACKING:** Cotton Cloth

**MAXIMUM RPM:** 1/8" to 1/2" – 23,000  
5/8" to 1" – 18,000  
1" to 1-1/2" – 15,000

## APPLICATION/GRIT RECOMMENDATION GUIDE



## Cartridge Rolls



- Effective for flash removal
- Polishing or removing machine tool marks
- Edge breaking
- Valuable abrasive tool for reaching into corners, where larger diameter tools cannot work
- 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

Refer to the back of this section for mandrels.



## FEATURED PRODUCTS



### MERIT CERAMIC ALUMINA CARTRIDGE ROLLS

BEST CHOICE FOR HARD-TO-GRIND MATERIALS – STAINLESS STEEL, COBALT, INCONEL, AND TITANIUM

#### 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

#### AVAILABILITY

|           |                 |
|-----------|-----------------|
| TIER:     | <b>BEST</b>     |
| BRAND:    | Merit           |
| ABRASIVE: | Ceramic Alumina |
| BACKING:  | Cotton          |
| OTHER:    | Supersized      |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/4 x 1-1/2 x 1/8 | 60   | 100       | 66261194384 |
| Use M-9 Mandrel   | 80   | 100       | 66261194394 |
|                   | 120  | 100       | 66261194397 |
| 3/8 x 1-1/2 x 1/8 | 60   | 100       | 66261194392 |
| Use M-9 Mandrel   | 80   | 100       | 66261194395 |
|                   | 120  | 100       | 66261194398 |

CONTINUED

#### AVAILABILITY

|           |                 |
|-----------|-----------------|
| TIER:     | <b>BEST</b>     |
| BRAND:    | Merit           |
| ABRASIVE: | Ceramic Alumina |
| BACKING:  | Cotton          |
| OTHER:    | Supersized      |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/2 x 1-1/2 x 1/8 | 60   | 100       | 66261194393 |
| Use M-9 Mandrel   | 80   | 100       | 66261194396 |
|                   | 120  | 100       | 66261194399 |



### MERIT CERAMIC ALUMINA BLEND CARTRIDGE ROLLS

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

#### FEATURES

- Sharp ceramic alumina abrasive blend
- Durable X-weight cotton backing
- Grinding aid

#### BENEFITS

- Delivers cooler cut
- Ensures even wear
- Promotes cooler cut on stainless steel

#### AVAILABILITY

|           |                       |
|-----------|-----------------------|
| TIER:     | <b>BETTER</b>         |
| BRAND:    | Merit                 |
| ABRASIVE: | Ceramic Alumina Blend |
| BACKING:  | Cotton                |
| OTHER:    | Supersized            |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/4 x 1-1/2 x 1/8 | 60   | 100       | 66261040477 |
| Use M-9 Mandrel   | 80   | 100       | 69957300001 |
| 3/8 x 1-1/2 x 1/8 | 60   | 100       | 66261041270 |
| Use M-9 Mandrel   | 80   | 100       | 08834187134 |

CONTINUED

#### AVAILABILITY

|           |                       |
|-----------|-----------------------|
| TIER:     | <b>BETTER</b>         |
| BRAND:    | Merit                 |
| ABRASIVE: | Ceramic Alumina Blend |
| BACKING:  | Cotton                |
| OTHER:    | Supersized            |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/2 x 1-1/2 x 1/8 | 60   | 100       | 08834184221 |
| Use M-9 Mandrel   | 80   | 100       | 66261012798 |



### MERIT ALUMINUM OXIDE PLUS CARTRIDGE ROLLS

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

#### FEATURES

- Premium aluminum oxide abrasive
- Advanced, full resin bond system

#### BENEFITS

- Controls aggressiveness while cool cutting
- Ensures edge adhesion and long life

#### AVAILABILITY

|           |                        |
|-----------|------------------------|
| TIER:     | <b>GOOD</b>            |
| BRAND:    | Merit                  |
| ABRASIVE: | Premium Aluminum Oxide |
| BACKING:  | Cotton                 |
| OTHER:    | Supersized             |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/4 x 1-1/2 x 1/8 | 60   | 100       | 77696089001 |
| Use M-9 Mandrel   | 80   | 100       | 77696089002 |
|                   | 120  | 100       | 77696089003 |
| 3/8 x 1-1/2 x 1/8 | 60   | 100       | 77696089004 |
| Use M-9 Mandrel   | 80   | 100       | 77696089005 |
|                   | 120  | 100       | 77696089006 |

CONTINUED

#### AVAILABILITY

|           |                        |
|-----------|------------------------|
| TIER:     | <b>GOOD</b>            |
| BRAND:    | Merit                  |
| ABRASIVE: | Premium Aluminum Oxide |
| BACKING:  | Cotton                 |
| OTHER:    | Supersized             |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/2 x 1-1/2 x 1/8 | 60   | 100       | 77696089007 |
| Use M-9 Mandrel   | 80   | 100       | 77696089008 |
|                   | 120  | 100       | 77696089009 |

Refer to the back of this section for mandrels.



## MERIT ALUMINUM OXIDE CARTRIDGE ROLLS

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

### AVAILABILITY

TIER: **GOOD**  
 BRAND: Merit  
 ABRASIVE: Aluminum Oxide  
 BACKING: Cotton Cloth

| 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 |
|                        | 120  | 100       | 08834180045 |
| 1/4 x 1 x 1/8          | 50   | 100       | 08834180060 |
| Use M-4 or M-8 Mandrel | 60   | 100       | 08834180061 |
|                        | 80   | 100       | 08834180062 |
|                        | 100  | 100       | 08834180063 |
|                        | 120  | 100       | 08834180064 |
|                        | 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       | 08834180080 |
|                        | 80   | 100       | 08834180081 |
|                        | 100  | 100       | 08834180082 |
|                        | 120  | 100       | 08834180083 |
|                        | 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 |
| 5/16 x 1-1/2 x 1/8     | 60   | 100       | 08834180156 |
| use M-9 Mandrel        | 80   | 100       | 08834180157 |
|                        | 120  | 100       | 08834180159 |
| 3/8 x 3/4 x 1/8        | 60   | 100       | 08834180194 |
| use M-7 Mandrel        | 80   | 100       | 08834180195 |
|                        | 120  | 100       | 08834180197 |
| 3/8 x 1 x 1/8          | 40   | 100       | 08834180211 |
| use M-8 Mandrel        | 50   | 100       | 08834180212 |
|                        | 60   | 100       | 08834180213 |
|                        | 80   | 100       | 08834180214 |
|                        | 100  | 100       | 08834180215 |
|                        | 120  | 100       | 08834180216 |
|                        | 150  | 100       | 08834180217 |
|                        | 180  | 100       | 08834180218 |
|                        | 240  | 100       | 08834180220 |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.

CONTINUED

### AVAILABILITY

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

| SIZE (D x L x H)   | GRIT | STD. PKG. | PART #      |
|--------------------|------|-----------|-------------|
| 3/8 x 1-1/2 x 1/8  | 36   | 100       | 08834180228 |
| use M-9 Mandrel    | 40   | 100       | 08834180229 |
|                    | 50   | 100       | 08834180230 |
|                    | 60   | 100       | 08834180231 |
|                    | 80   | 100       | 08834180232 |
|                    | 100  | 100       | 08834180233 |
|                    | 120  | 100       | 08834180234 |
|                    | 150  | 100       | 08834180235 |
|                    | 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      | 40   | 100       | 08834180286 |
| use M-8 Mandrel    | 50   | 100       | 08834180287 |
|                    | 60   | 100       | 08834180288 |
|                    | 80   | 100       | 08834180289 |
|                    | 100  | 100       | 08834180290 |
|                    | 120  | 100       | 08834180291 |
|                    | 150  | 100       | 08834180292 |
|                    | 180  | 100       | 08834180293 |
|                    | 240  | 100       | 08834180295 |
|                    | 320  | 100       | 08834180297 |
| 1/2 x 1-1/2 x 1/8  | 36   | 100       | 08834180304 |
| use M-9 Mandrel    | 40   | 100       | 08834180305 |
|                    | 50   | 100       | 08834180306 |
|                    | 60   | 100       | 08834180307 |
|                    | 80   | 100       | 08834180308 |
|                    | 100  | 100       | 08834180309 |
|                    | 120  | 100       | 08834180310 |
|                    | 150  | 100       | 08834180311 |
|                    | 180  | 100       | 08834180312 |
|                    | 240  | 100       | 08834180314 |
|                    | 320  | 100       | 08834180316 |
| 1/2 x 1-1/2 x 3/16 | 120  | 100       | 08834180919 |
| use M-16 Mandrel   |      |           |             |
| 1/2 x 2 x 1/8      | 60   | 100       | 08834180326 |
| use M-10 Mandrel   | 80   | 100       | 08834180327 |
|                    | 100  | 100       | 08834180328 |
|                    | 120  | 100       | 08834180329 |
|                    | 180  | 100       | 08834180331 |
|                    | 240  | 100       | 08834180333 |
|                    | 320  | 100       | 08834180335 |
| 1/2 x 2 x 3/16     | 60   | 100       | 08834180350 |
| use M-17 Mandrel   | 80   | 100       | 08834180653 |
|                    | 120  | 100       | 08834180338 |
| 1/2 x 2 x 1/4      | 40   | 100       | 08834183168 |
| use M-22 Mandrel   | 80   | 100       | 08834180351 |
| 5/8 x 1 x 3/16     | 80   | 100       | 08834180364 |
| use M-15 Mandrel   |      |           |             |

CONTINUED

Refer to the back of this section for mandrels.



## AVAILABILITY

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

| SIZE (D x L x H)   | GRIT | STD. PKG. | PART #      |
|--------------------|------|-----------|-------------|
| 5/8 x 1-1/2 x 1/8  | 36   | 100       | 08834180395 |
| 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 | 50   | 100       | 08834180381 |
| use M-16 Mandrel   | 60   | 100       | 08834180382 |
|                    | 80   | 100       | 08834180383 |
| 5/8 x 2 x 1/8      | 60   | 100       | 08834182505 |
| use M-10 Mandrel   | 80   | 100       | 08834181080 |
| 5/8 x 2 x 3/16     | 50   | 100       | 08834180400 |
| use M-10 Mandrel   | 60   | 100       | 08834180401 |
|                    | 80   | 100       | 08834180402 |
|                    | 100  | 100       | 08834180403 |
| 3/4 x 1 x 1/8      | 80   | 100       | 08834180469 |
| use M-8 Mandrel    | 120  | 100       | 08834181543 |
| 3/4 x 1 x 3/16     | 40   | 100       | 08834180456 |
| use M-15 Mandrel   | 80   | 100       | 08834180459 |
|                    | 120  | 100       | 08834180461 |
| 3/4 x 1-1/2 x 1/8  | 40   | 100       | 08834180069 |
| use M-9 Mandrel    | 60   | 100       | 08834180490 |
|                    | 80   | 100       | 08834180527 |
|                    | 120  | 100       | 08834180487 |
| 3/4 x 1-1/2 x 3/16 | 36   | 100       | 08834180474 |
| use M-16 Mandrel   | 40   | 100       | 08834180475 |
|                    | 50   | 100       | 08834180476 |
|                    | 60   | 100       | 08834180477 |
|                    | 80   | 100       | 08834180478 |
|                    | 100  | 100       | 08834180479 |
|                    | 120  | 100       | 08834180480 |
|                    | 180  | 100       | 08834180482 |

CONTINUED

## AVAILABILITY

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

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 3/4 x 1-1/2 x 1/4 | 36   | 100       | 08834180907 |
| 100/box 400/case  | 60   | 100       | 08834180489 |
| use M-21 Mandrel  | 80   | 100       | 08834180358 |
|                   | 100  | 100       | 08834180523 |
|                   | 120  | 100       | 08834180488 |
|                   | 150  | 100       | 08834182807 |
| 3/4 x 2 x 1/8     | 60   | 100       | 08834180791 |
| use M-10 Mandrel  |      |           |             |
| 3/4 x 2 x 3/16    | 40   | 100       | 08834180494 |
| use M-17 Mandrel  | 60   | 100       | 08834180496 |
|                   | 80   | 100       | 08834180497 |
|                   | 100  | 100       | 08834180498 |
|                   | 120  | 100       | 08834180499 |
| 3/4 x 2 x 1/4     | 60   | 100       | 08834180506 |
| use M-22 Mandrel  | 80   | 100       | 08834181297 |
|                   | 100  | 100       | 08834180509 |
|                   | 120  | 100       | 08834180507 |
| 1 x 1-1/2 x 1/8   | 60   | 100       | 08834180580 |
| use M-9 Mandrel   | 80   | 100       | 08834180584 |
| 1 x 1-1/2 x 1/4   | 36   | 100       | 08834181195 |
| use M-21 Mandrel  | 60   | 100       | 08834180587 |
|                   | 80   | 100       | 08834180583 |
| 1 x 2 x 3/16      | 40   | 100       | 08834180589 |
| use M-17 Mandrel  | 60   | 100       | 08834180591 |
|                   | 80   | 100       | 08834180592 |
| 1 x 2 x 1/4       | 60   | 100       | 08834180603 |
| use M-22 Mandrel  | 80   | 100       | 08834180606 |
|                   | 120  | 100       | 08834180585 |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



### MERIT SILICON CARBIDE CARTRIDGE ROLLS

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

## AVAILABILITY

|           |                 |
|-----------|-----------------|
| TIER:     | <b>GOOD</b>     |
| BRAND:    | Merit           |
| ABRASIVE: | Silicon Carbide |
| BACKING:  | Cotton          |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/4 x 1-1/2 x 1/8 | 60   | 100       | 08834183274 |
| Use M-9 Mandrel   | 80   | 100       | 08834182359 |
|                   | 120  | 100       | 08834189131 |
| 3/8 x 1-1/2 x 1/8 | 60   | 100       | 08834181309 |
| Use M-9 Mandrel   | 80   | 100       | 08834180710 |
|                   | 120  | 100       | 66261042229 |

CONTINUED

## AVAILABILITY

|           |                 |
|-----------|-----------------|
| TIER:     | <b>GOOD</b>     |
| BRAND:    | Merit           |
| ABRASIVE: | Silicon Carbide |
| BACKING:  | Cotton          |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/2 x 1-1/2 x 1/8 | 60   | 100       | 08834189233 |
| Use M-9 Mandrel   | 80   | 100       | 08834180712 |
|                   | 120  | 100       | 66261086969 |

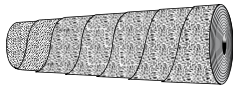
Refer to the back of this section for mandrels.





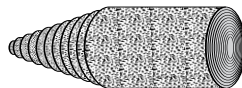
## Spiral Rolls

- 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
- Ceramic Alumina blend spiral rolls are also available for quotation as made-to-order products



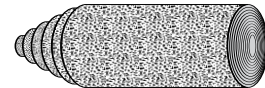
### Full Taper

- Especially useful for grinding/polishing of channels, fillets and radii, and deburring small holes
- Full taper used when the area to 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

## FEATURED PRODUCTS



### MERIT CERAMIC ALUMINA SPIRAL ROLLS – FULL TAPER

BEST CHOICE FOR HARD-TO-GRIND MATERIALS – STAINLESS STEEL, COBALT, INCONEL, AND TITANIUM

#### 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

### AVAILABILITY

|           |                 |
|-----------|-----------------|
| TIER:     | <b>BEST</b>     |
| BRAND:    | Merit           |
| ABRASIVE: | Ceramic Alumina |
| BACKING:  | Cotton          |
| OTHER:    | Supersized      |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 3/8 x 1-1/2 x 1/8 | 60   | 100       | 66261194481 |
| Use M-9 Mandrel   | 80   | 100       | 66261194490 |
|                   | 120  | 100       | 66261194491 |

CONTINUED

### AVAILABILITY

|           |                 |
|-----------|-----------------|
| TIER:     | <b>BEST</b>     |
| BRAND:    | Merit           |
| ABRASIVE: | Ceramic Alumina |
| BACKING:  | Cotton          |
| OTHER:    | Supersized      |

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/2 x 1-1/2 x 1/8 | 60   | 100       | 66261194484 |
| Use M-9 Mandrel   | 80   | 100       | 66261194492 |
|                   | 120  | 100       | 66261194495 |



NEW

### MERIT ALUMINUM OXIDE PLUS SPIRAL ROLLS – FULL TAPER

ESPECIALLY USEFUL FOR COOLER GRINDING/POLISHING OF CHANNELS, FILLETS AND RADII, AND DEBURRING SMALL HOLES..

#### FEATURES

- Premium aluminum oxide abrasive
- 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

### AVAILABILITY

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

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 3/8 x 1-1/2 x 1/8 | 60   | 100       | 77696089010 |
| use M-9 Mandrel   | 80   | 100       | 77696089011 |
|                   | 120  | 100       | 77696089012 |

CONTINUED

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

| SIZE (D x L x H)  | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1/2 x 1-1/2 x 1/8 | 60   | 100       | 77696089013 |
| use M-9 Mandrel   | 80   | 100       | 77696089014 |
|                   | 120  | 100       | 77696089015 |

Refer to the back of this section for mandrels.



**MERIT ALUMINUM OXIDE SPIRAL ROLLS – FULL TAPER**

ESPECIALLY USEFUL FOR COOLER GRINDING/POLISHING OF CHANNELS, FILLETS AND RADII, AND DEBURRING SMALL HOLES..

**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

**AVAILABILITY**

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

| SIZE (D x L x H)                     | GRIT | STD. PKG.   | PART #      |
|--------------------------------------|------|-------------|-------------|
| 3/8 x 1 x 1/8<br>use M-8 Mandrel     | 60   | 100         | 08834181714 |
|                                      | 80   | 100         | 08834181715 |
|                                      | 120  | 100         | 08834181717 |
|                                      | 180  | 100         | 08834181719 |
| 3/8 x 1-1/2 x 1/8<br>use M-9 Mandrel | 50   | 100         | 08834181723 |
|                                      | 60   | 100         | 08834181724 |
|                                      | 80   | 100         | 08834181708 |
|                                      | 120  | 100         | 08834181727 |
|                                      | 150  | 100         | 08834181728 |
| 1/2 x 1 x 1/8<br>use M-8 Mandrel     | 60   | 100         | 08834181734 |
|                                      | 80   | 100         | 08834181735 |
|                                      | 120  | 100         | 08834181737 |
|                                      | 180  | 100         | 08834181739 |
| 1/2 x 1-1/2 x 1/8<br>use M-9 Mandrel | 36   | 100         | 08834181230 |
|                                      | 40   | 100         | 08834181742 |
|                                      | 50   | 100         | 08834181743 |
|                                      | 60   | 100         | 08834181744 |
|                                      | 80   | 100         | 08834181745 |
|                                      | 100  | 100         | 08834181746 |
|                                      | 120  | 100         | 08834181747 |
|                                      | 180  | 100         | 08834181749 |
| 240                                  | 100  | 08834181750 |             |

CONTINUED

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

| SIZE (D x L x H)                       | GRIT | STD. PKG. | PART #      |
|--|------|-----------|-------------|
| 1/2 x 2 x 1/8<br>use M-10 Mandrel      | 60   | 100       | 08834181754 |
|  | 80   | 100       | 08834181755 |
|  | 120  | 100       | 08834181757 |
| 5/8 x 1-1/2 x 1/8<br>use M-9 Mandrel   | 100  | 100       | 08834181776 |
|  | 120  | 100       | 08834181777 |
|  | 240  | 100       | 08834183313 |
|  | 320  | 100       | 08834181781 |
| 5/8 x 1-1/2 x 3/16<br>use M-16 Mandrel | 80   | 100       | 08834181444 |
|  | 60   | 100       | 08834181286 |
| 3/4 x 1-1/2 x 1/8<br>use M-9 Mandrel   | 80   | 100       | 08834180886 |
|  | 50   | 100       | 08834181807 |
| 3/4 x 1-1/2 x 3/16<br>use M-16 Mandrel | 60   | 100       | 08834181808 |
|  | 80   | 100       | 08834181809 |
|  | 120  | 100       | 08834181811 |
|  | 60   | 100       | 08834181820 |
| 1 x 1-1/2 x 1/8<br>use M-9 Mandrel     | 60   | 100       | 08834181240 |
|  | 36   | 100       | 08834181875 |
| 1 x 2 x 3/16<br>use M-17 Mandrel       | 60   | 100       | 08834181878 |
|  | 80   | 100       | 08834181879 |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



**MERIT SILICON CARBIDE SPIRAL ROLLS – FULL TAPER**

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

**AVAILABILITY**

|           |                 |
|-----------|-----------------|
| TIER:     | <b>GOOD</b>     |
| BRAND:    | Merit           |
| ABRASIVE: | Silicon Carbide |
| BACKING:  | Cotton          |

| SIZE (D x L x H)                     | GRIT | STD. PKG. | PART #      |
|--------------------------------------|------|-----------|-------------|
| 3/8 x 1-1/2 x 1/8<br>use M-9 Mandrel | 60   | 100       | 08834189901 |
|                                      | 80   | 100       | 08834189904 |
|                                      | 120  | 100       | 66261046936 |

CONTINUED

**AVAILABILITY**

|           |                 |
|-----------|-----------------|
| TIER:     | <b>GOOD</b>     |
| BRAND:    | Merit           |
| ABRASIVE: | Silicon Carbide |
| BACKING:  | Cotton          |

| SIZE (D x L x H)                     | GRIT | STD. PKG. | PART #      |
|--------------------------------------|------|-----------|-------------|
| 1/2 x 1-1/2 x 1/8<br>use M-9 Mandrel | 60   | 100       | 66261185977 |
|                                      | 80   | 100       | 08834183460 |
|                                      | 120  | 100       | 08834183448 |

Refer to the back of this section for mandrels.



**Tapered Cone Points**



- 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
- Popular sizes and mandrels are listed, with additional sizes available upon request as made-to-order products
- Ceramic alumina, ceramic alumina blend, aluminum oxide plus, and silicon carbide cone points are available upon request as made-to-order products

**FEATURED PRODUCTS**



**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

**AVAILABILITY**

| TIER:             | <b>GOOD</b>    |           |             |
|-------------------|----------------|-----------|-------------|
| BRAND:            | Merit          |           |             |
| ABRASIVE:         | Aluminum Oxide |           |             |
| BACKING:          | Cotton         |           |             |
| SIZE (D x L x H)  | GRIT           | STD. PKG. | PART #      |
| 5/16 x 1-1/2 x 5° | 80             | 500       | 08834180873 |
| Use B-20 Mandrel  | 100            | 500       | 08834182043 |
|                   | 120            | 500       | 08834182717 |
|                   | 150            | 500       | 08834186890 |
|                   | 180            | 500       | 08834182535 |
|                   | 240            | 500       | 08834182044 |
|                   | 320            | 500       | 08834182537 |

CONTINUED

**AVAILABILITY**

| TIER:             | <b>GOOD</b>    |           |             |
|-------------------|----------------|-----------|-------------|
| BRAND:            | Merit          |           |             |
| ABRASIVE:         | Aluminum Oxide |           |             |
| BACKING:          | Cotton         |           |             |
| SIZE (D x L x H)  | GRIT           | STD. PKG. | PART #      |
| 3/16 x 1 x 2-1/2° | 50             | 500       | 08834186892 |
| Use K-110 Mandrel | 60             | 500       | 08834186893 |
|                   | 80             | 500       | 08834180918 |
|                   | 100            | 500       | 08834182197 |
|                   | 120            | 500       | 08834182199 |
|                   | 150            | 500       | 08834182200 |
|                   | 180            | 500       | 08834186894 |
|                   | 240            | 500       | 08834186895 |
|                   | 320            | 500       | 08834182855 |

**Test Kits**



**Merit Blaze 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-MQ”**

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



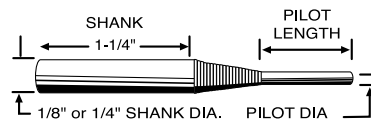
## Cartridge and Spiral Roll Mandrels

| 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          | 08834180133 |
| 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                       | A1/4  | 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



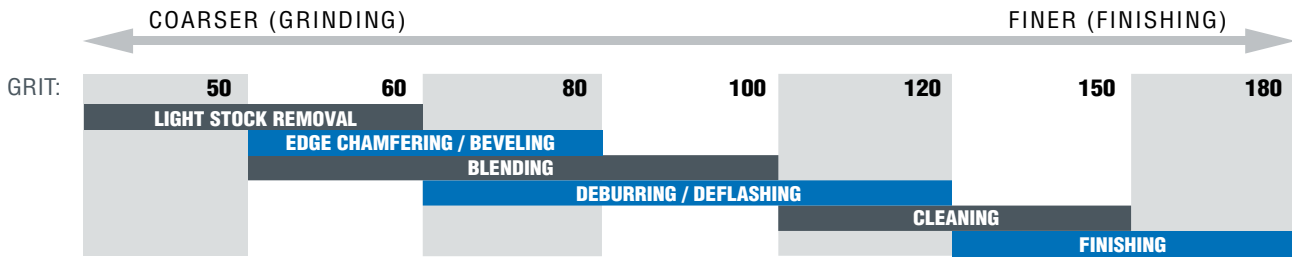


**CATEGORY DEFINITION**

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  
 Shapes provide flexibility for the application, while eliminating aggressiveness of the sanding action  
 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:** Cotton
- MAXIMUM RPM:** 1" Diameter – 25,000  
 1-1/2" to 2" Diameter – 18,000 to 23,000  
 2-1/2" Diameter – 14,000 to 18,000  
 3" Diameter – 12,000 to 14,000  
 4" Diameter – 8,000 to 12,000  
 5" to 6" Diameter – 5,500 to 7,500

**APPLICATION/GRIT RECOMMENDATION GUIDE**



**FEATURED PRODUCTS**



**MERIT CERAMIC ALUMINA**

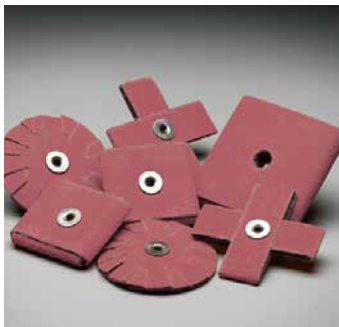
BEST FOR HARD-TO-GROUND MATERIALS – STAINLESS STEEL, COBALT, INCONEL, AND TITANIUM

**FEATURES**

- Next-generation ceramic alumina abrasive grain
- Advanced grinding aid
- Improved resin bond system

**BENEFITS**

- Significantly faster cut rates versus any other abrasive
- Resists wear, resulting in 50%-300% longer life
- Greatest productivity; lowest total cost
- Cooler cutting, longer life
- Improved grain retention and longer life



**MERIT ALUMINUM OXIDE**

GOOD FOR MOST ID DEBURRING AND POLISHING APPLICATIONS

**FEATURES**

- Quality aluminum oxide abrasive grain
- Resin bond system
- Standard quick-change eyelet for easy mounting and removal on quick-change mandrel

**BENEFITS**

- Versatile; ideal for deburring, chamfering, and polishing most radii, holes, recesses, and cylinder walls
- Good grain retention and life
- Minimal downtime
- Mandrel use increases range and versatility

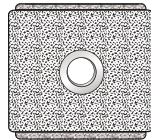


**Merit Square Pads**

- 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

**Square Pads**

AVAILABILITY



| SIZE (L x W x T)    | EYELET | GRIT | STD. PKG. | TIER:       | PART #                | PART #      |
|---------------------|--------|------|-----------|-------------|-----------------------|-------------|
| 1 x 1 x 6 ply       | 8-32   | 80   | 100       | <b>BEST</b> | Merit Ceramic Alumina | 08834184826 |
| 1 x 1 x 8 ply       | 8-32   | 60   | 100       | <b>GOOD</b> | Merit Aluminum Oxide  | 08834184828 |
|                     |        | 80   | 100       |             | Supersized            | 08834184124 |
|                     |        | 120  | 100       |             |                       | 08834184994 |
| 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           | 08834184334 |
|                     |        | 80   | 100       |             | 66261194552           | 08834184397 |
|                     |        | 120  | 100       |             | 66261194554           |             |
| 2 x 2 x 3/4         | 1/4-20 | 50   | 100       |             |                       | 08834184487 |
|                     |        | 80   | 100       |             |                       | 08834184394 |
| 3 x 3 x 1/4         | 1/4-20 | 60   | 100       |             | 66261194531           | 08834184882 |
|                     |        | 80   | 100       |             | 66261194555           |             |
|                     |        | 120  | 100       |             | 66261194556           |             |
| 3 x 3 x 1/2         | 1/4-20 | 50   | 100       |             |                       | 08834182152 |
|                     |        | 60   | 100       |             | 66261194528           | 08834182057 |
|                     |        | 80   | 100       |             | 66261194557           | 08834184336 |
|                     |        | 120  | 100       |             | 66261194558           |             |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS. CERAMIC ALUMINA BLEND AND ALUMINUM OXIDE PLUS SQUARE PADS ARE ALSO AVAILABLE UPON REQUEST AS MADE-TO-ORDER PRODUCTS.

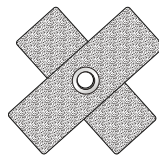


**Merit Cross Pads**

- The shape of Merit 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

**Cross Pads**

AVAILABILITY



| SIZE (L x W x T)    | PLY | EYELET | GRIT | STD. PKG. | TIER:       | PART #                | PART #      |
|---------------------|-----|--------|------|-----------|-------------|-----------------------|-------------|
| 3/4 x 3/4 x 3/8     | 8   | 3-48   | 80   | 100       | <b>BEST</b> | Merit Ceramic Alumina | 08834185578 |
| 1 x 1 x 3/8         | 8   | 3-48   | 60   | 100       | <b>GOOD</b> | Merit Aluminum Oxide  | 08834184943 |
|                     |     |        | 80   | 100       |             | Supersized            | 08834185519 |
|                     |     |        | 100  | 100       |             |                       | 08834184195 |
|                     |     |        | 120  | 100       |             |                       | 08834185164 |
| 1-1/2 x 1-1/2 x 1/2 | 8   | 8-32   | 60   | 100       |             | 66261194496           | 08834184258 |
|                     |     |        | 80   | 100       |             | 66261194508           | 08834184465 |
|                     |     |        | 100  | 100       |             |                       | 08834182196 |
|                     |     |        | 120  | 100       |             | 66261194511           | 08834182148 |
| 2 x 2 x 1/2         | 8   | 8-32   | 60   | 100       |             |                       | 08834182156 |
|                     |     |        | 80   | 100       |             |                       | 08834182157 |
|                     |     |        | 120  | 100       |             |                       | 08834182132 |
| 2 x 2 x 3/4         | 8   | 8-32   | 60   | 100       |             | 66261194502           | 08834184128 |
|                     |     |        | 80   | 100       |             | 66261194513           | 08834184194 |
|                     |     |        | 120  | 100       |             | 66261194516           | 08834184285 |
| 2 x 2 x 1           | 8   | 8-32   | 120  | 100       |             |                       | 08834184805 |
| 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 |
|                     |     |        | 120  | 100       |             |                       | 08834184074 |
| 3 x 3 x 1           | 8   | 1/4-20 | 60   | 100       |             | 66261194504           | 08834182135 |
|                     |     |        | 80   | 100       |             | 66261194549           | 08834184119 |
|                     |     |        | 120  | 100       |             | 66261194551           | 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 |
|                     |     |        | 120  | 100       |             |                       | 08834184370 |

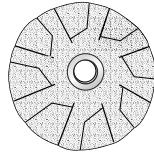
SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS. CERAMIC ALUMINA BLEND AND ALUMINUM OXIDE PLUS CROSS PADS ARE ALSO AVAILABLE UPON REQUEST AS MADE-TO-ORDER PRODUCTS.

**Refer to the back of this section for mandrels.**



**Overlap Slotted Discs**

**AVAILABILITY**



TIER:

BRAND:

ABRASIVE:

OTHER:

**BEST**

**GOOD**

**GOOD**

Merit

Merit

Merit

Ceramic Alumina

Aluminum Oxide

Aluminum Oxide

Supersized, 2-Ply

2 Per Set

4 Per Set

| SIZE (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 |
|             |        | 180  | 100       |             | 08834185078 |             |
| 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 | 08834184066 |             |
|             |        | 80   | 100       | 66261195368 | 08834184079 |             |
|             |        | 100  | 100       |             | 08834184279 | 08834184023 |
|             |        | 120  | 100       | 66261195367 | 08834186035 |             |
| 1-3/4       | 8-32   | 60   | 100       |             | 08834184498 |             |
|             |        | 80   | 100       |             | 08834184655 |             |
| 2           | 8-32   | 60   | 100       | 66261195054 | 08834184042 |             |
|             |        | 80   | 100       | 66261195055 | 08834184076 |             |
|             |        | 100  | 100       |             | 08834184145 |             |
| 2-1/2       | 8-32   | 120  | 100       | 66261195056 | 08834184055 |             |
|             |        | 80   | 100       |             | 08834184444 |             |
|             |        | 100  | 100       |             | 08834184818 |             |
| 3           | 1/4-20 | 50   | 100       |             | 08834184818 |             |
|             |        | 60   | 100       | 66261195057 | 08834184041 |             |
|             |        | 80   | 100       | 66261195058 | 08834184077 |             |
|             |        | 100  | 100       |             | 08834184082 |             |
| 4           | 1/4-20 | 120  | 100       | 66261195059 | 08834184344 |             |
|             |        | 60   | 100       |             | 08834184000 |             |
|             |        | 100  | 100       |             | 08834184159 |             |
| 4-1/2       | 1/4-20 | 120  | 100       |             | 08834185155 |             |
|             |        | 100  | 100       |             | 08834184431 |             |
| 5           | 1/4-20 | 100  | 100       |             | 08834184302 |             |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.

ALL OVERLAP SLOTTED DISCS ARE AVAILABLE (MADE-TO-ORDER) REINFORCED WITH A FIBER WASHER

CERAMIC ALUMINA BLEND AND ALUMINUM OXIDE PLUS OVERLAP SLOTTED DISCS ARE ALSO AVAILABLE UPON REQUEST AS MADE-TO-ORDER PRODUCTS.

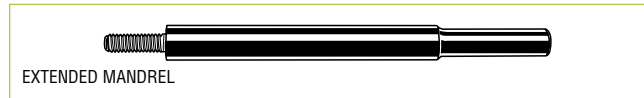
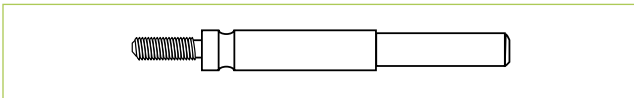
**Merit Overlap Slotted Discs**

- 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

**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



EXTENDED MANDREL



## CATEGORY DEFINITION

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.

Cloth flaps are mixed with non-woven flaps to create an interleaf bore polisher.

**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.

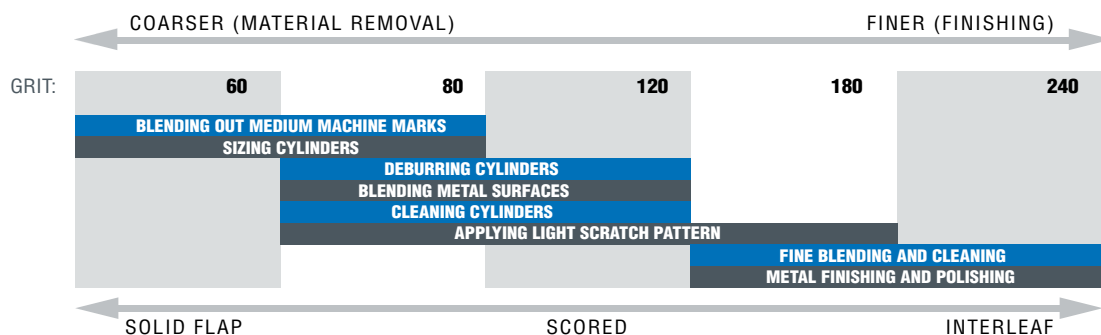
**GRIT RANGE:** 60 - 240

**ABRASIVE GRAIN:** Aluminum Oxide

## APPLICATION-TO-PRODUCT SHAPE RECOMMENDATION GUIDE

| SHAPE  | APPLICATION   |
|--|---|
|  <p><b>Bore Polisher</b><br/><b>Solid Flaps</b><br/><b>B-3 Series</b></p>   | <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>   |
|  <p><b>Bore Polisher</b><br/><b>Solid Flaps</b><br/><b>B-4 Series</b></p>  | <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>  |
|  <p><b>Bore Polisher</b><br/><b>Solid Flaps</b><br/><b>B-8 Series</b></p> | <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>  |
|  <p><b>Bore Polisher</b><br/><b>Scored Flaps</b></p>                      | Available upon request as made-to-order products  |
|  <p><b>Bore Polisher</b><br/><b>Interleaf</b></p>                         | 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







## Merit Aluminum Oxide Bore Polishers

### AVAILABILITY

|           |                   |
|-----------|-------------------|
| TIER:     | <b>GOOD</b>       |
| BRAND:    | Merit             |
| ABRASIVE: | Aluminum Oxide    |
| BACKING:  | X-wt. Cotton/Poly |

|           |                   |
|-----------|-------------------|
| TIER:     | <b>GOOD</b>       |
| BRAND:    | Merit             |
| ABRASIVE: | Aluminum Oxide    |
| BACKING:  | X-wt. 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 |
|   | 180  | 22,000   | 10        | 08834154094 |
|   | 240  | 22,000   | 10        | 08834154100 |
| B-410   | 60   | 20,000   | 10        | 08834154100 |
| Fits ID 1-1/2 to 2                                    | 80   | 20,000   | 10        | 08834154101 |
|   | 120  | 20,000   | 10        | 08834154102 |
|   | 180  | 20,000   | 10        | 08834154103 |
|   | 240  | 20,000   | 10        | 08834154104 |
| B-415   | 60   | 16,000   | 10        | 08834154109 |
| Fits ID 2-1/8 to 2-1/2                                | 80   | 16,000   | 10        | 08834154110 |
|   | 120  | 16,000   | 10        | 08834154111 |
|   | 180  | 16,000   | 10        | 08834154112 |
|   | 240  | 16,000   | 10        | 08834154113 |
| B-420   | 60   | 15,000   | 10        | 08834154118 |
| Fits ID 2-1/2 to 3                                    | 80   | 15,000   | 10        | 08834154119 |
|   | 120  | 15,000   | 10        | 08834154120 |
|   | 180  | 15,000   | 10        | 08834154121 |
|   | 240  | 15,000   | 10        | 08834154122 |
| B-425   | 60   | 10,000   | 10        | 08834154127 |
| Fits ID 3-1/8 to 4                                    | 80   | 10,000   | 10        | 08834154128 |
|   | 120  | 10,000   | 10        | 08834154129 |
|   | 180  | 10,000   | 10        | 08834154130 |
|   | 240  | 10,000   | 10        | 08834154131 |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.

| 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 |
|   | 240  | 15,000   | 10        | 08834154149 |
| B-820   | 60   | 10,000   | 10        | 08834154154 |
| Fits ID 3-1/8 to 4                            | 80   | 10,000   | 10        | 08834154155 |
|   | 120  | 10,000   | 10        | 08834154156 |
|   | 180  | 10,000   | 10        | 08834154157 |
|   | 240  | 10,000   | 10        | 08834154158 |
| B-825   | 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 |

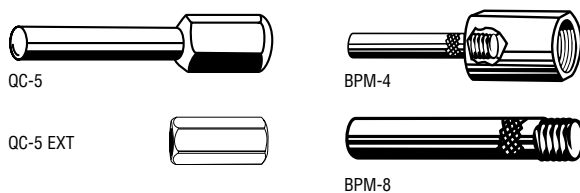
### Bore Polishers – Scored Flaps

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 |
| B-410 Interleaf    | 80  | 20,000 | 10 | 08834150275 |
| Fits ID 1-1/2 to 2 |     |        |    |             |

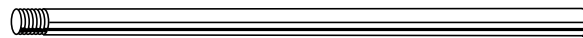
## Mandrels for Bore Polishers



| DESCRIPTION    | MODEL NO. | THREAD  | PART #      |
|----------------|-----------|---------|-------------|
| For B-3 Series | QC-5      | 5/16-18 | 08834154182 |
| For B-4 Series | BPM-4     | 1/2-20  | 08834154183 |
| For B-8 Series | BPM-8     | 1/4-20  | 08834154184 |
| QC-5 Ext.      | QC-5 Ext. | 5/16-18 | 08834150573 |

STANDARD PACKAGE = 1

## Extension Mandrels for Bore Polishers



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

To extend a B-3 series bore polisher, attach the QC-5 Ext. to the bore polisher, then attach the desired length extension mandrel above to the QC-5 Ext. 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. Standard package = 1.

## 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.



## 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.

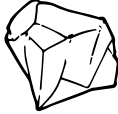
- For polishing and cleaning metal only



#### 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)

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.

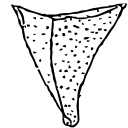
- Heavy-duty snagging and grinding of all ferrous and non-ferrous metals
- Abrasive planing of wood, plywood and particleboard
- Grinding fiberglass, rubber and plastics



#### Ceramic Alumina (9)

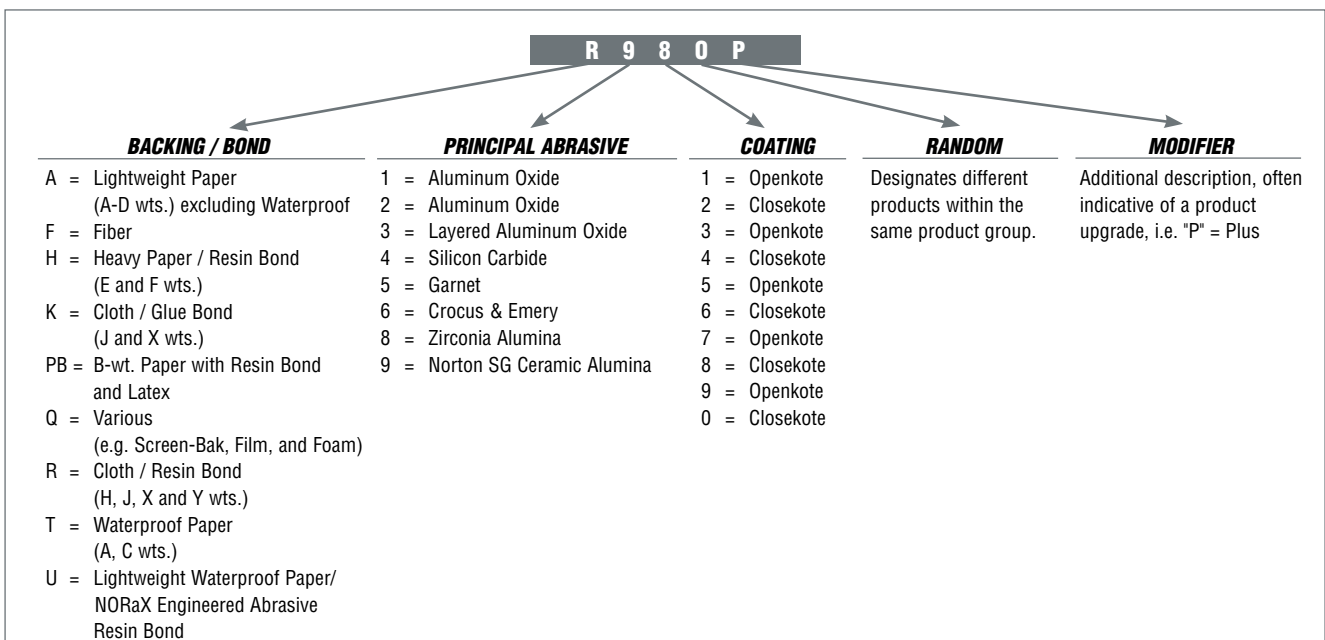
The sub-micron structure of ceramic alumina allows each grain to continually expose sharp cutting points, resulting in a cooler cutting action and an extended life.

- All ferrous/non-ferrous metals, carbon steel and exotic alloys



## 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.



## 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.

## 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

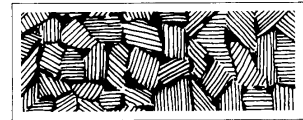
With an open coat, 50% to 75% of the surface is covered by abrasive grain. There are evenly spaced voids between the particles of grain, helping reduce the effect of loading caused by wood dust or metal particles.



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

## Coated Abrasive Grit Comparison Chart

| AVERAGE PARTICLE SIZE IN MICRONS | GRADING SYSTEMS (OTHER THAN EMERY) |       |      | EMERY PRODUCTS |
|----------------------------------|------------------------------------|-------|------|----------------|
|                                  | CAMI                               | 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  | —              |

| AVERAGE PARTICLE SIZE IN MICRONS | GRADING SYSTEMS (OTHER THAN EMERY) |      |     | EMERY PRODUCTS |
|----------------------------------|------------------------------------|------|-----|----------------|
|                                  | CAMI                               | FEPA | JIS |                |
| 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                                 | —    | —   | —              |



# we've surfaced faster solutions **THAT WORK HARD AND PAY BETTER**

For stripping, deburring, finishing, blending or polishing surfaces and coatings, Norton Bear-Tex non-woven innovations reduce steps and improve surface finish.



Our patented Clean Bond Technology eliminates smearing.



## Strip Away Old Ideas

Quick and easy rough cleaning and stripping of scale and heavy stock on a variety of materials while maintaining its non-loading feature.



## Prep for the Future

Cleaning and surface conditioning Norton Rapid Prep products deliver higher material removal, longer life and consistent, smear-free finishes - even on high nickel content alloys



## Blending In is Easy

Polishing and finishing with Norton Rapid Blend discs leaves a smear-free final finish in fewer steps.

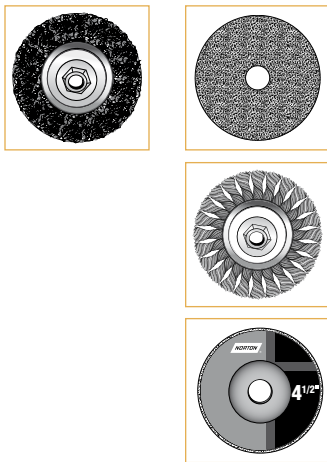


## CATEGORY DEFINITION

Non-woven depressed center discs have three components: strong synthetic fiber mesh and quality abrasives, bonded together by a smear-resistant adhesive. Rapid Strip discs have an open web construction that enables aggressive cutting action while maintaining a cool, non-loading surface. Rapid Blend discs have a unitized construction with varying weave – from open to tighter – for deburring and finishing. Rapid Prep discs have a more open weave that excels in preparation and cleaning of a surface. Each product provides excellent cutting action while improving surface finish.

- APPLICATIONS:** Medium-to-light material removal, deburring, blending, cleaning, finishing, and polishing
- SIZE RANGE:** 4-1/2" - 7"
- GRIT RANGE:** X-Coarse, Coarse, Medium, Fine, Very Fine
- ABRASIVE GRAIN:** Ceramic Alumina, Silicon Carbide, Aluminum Oxide

## WHY CHOOSE NON-WOVEN DEPRESSED CENTER DISCS?



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

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

## 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. |
|--|---|--|---|
| Removing scale and coarse welding marks                          | Blaze Rapid Strip Ceramic X/Coarse                  | –  | Rapid Strip S/C X-Coarse                              |
| Removing coatings, epoxy/glue, paint and other clogging material |   |  |   |
| Removing rust, oxidation, corrosion and residue                  |   |  |   |
| Removing parting lines and seams on fiberglass parts             |   |  |   |
| Removing paint/graffiti from concrete/stone                      |   |  |   |
| Removing weld marks and weld splatter                            | –   | Vortex Rapid Blend A/O Coarse                        | Rapid Blend A/O Coarse                                |
| Stainless steel deburring and cleaning                           |   |  |   |
| Removing small flashings and parting lines                       |   |  |   |
| Surface preparation before coatings/plating                      | –   | Vortex Rapid Prep A/O Medium                         | Rapid Prep A/O Medium                                 |
| Light cleaning   |   |  |   |
| Cleaning and prepping welds                                      | –   | Vortex Rapid Prep A/O Fine                           | Rapid Prep A/O Fine                                   |
| Removing blemishes after welding stainless                       |   |  |   |
| Blending and finishing all metal parts                           | –   | Vortex Rapid Blend A/O Very Fine                     | Rapid Blend S/C Very Fine                             |
| Creating decorative finishes on stainless steel                  |   |  |   |
| Final finishing and polishing                                    |   |  |   |
| Final finishing/polishing where high conformability is needed    | –   | –  | Rapid Prep A/O Very Fine                              |



## APPLICATION/PRODUCT RECOMMENDATION GUIDE

|  | ← MOST AGGRESSIVE / LEAST CONFORMABLE |   | LEAST AGGRESSIVE / MOST CONFORMABLE → |                      |                      |
|--|---------------------------------------|---|---------------------------------------|----------------------|----------------------|
| <b>DEPRESSED CENTER DISCS WITH BACK-UP PAD</b> | BLAZE RAPID STRIP                     | VORTEX RAPID BLEND A/O MED.<br>RAPID BLEND A/O COARSE | RAPID BLEND A/O MEDIUM                | RAPID BLEND S/C FINE | RAPID PREP VERY FINE |
|  |                                       | RAPID PREP A/O COARSE                                 | RAPID PREP A/O MEDIUM                 | RAPID PREP A/O FINE  |                      |
| <b>SCALE REMOVAL</b>                           | BEST CHOICE                           |   |                                       |                      |                      |
| <b>STOCK REMOVAL</b>                           | BEST CHOICE                           | SECOND CHOICE   |                                       |                      |                      |
| <b>HEAVY DEBURRING</b>                         | SECOND CHOICE                         | BEST CHOICE   |                                       |                      |                      |
| <b>LIGHT DEBURRING</b>                         |                                       | BEST CHOICE   | SECOND CHOICE                         |                      |                      |
| <b>LIGHT FINISHING</b>                         |                                       | SECOND CHOICE   | BEST CHOICE                           |                      |                      |
| <b>BLENDING</b>                                |                                       |   | BEST CHOICE                           | SECOND CHOICE        |                      |
| <b>FINISHING</b>                               |                                       |   | SECOND CHOICE                         | BEST CHOICE          |                      |
| <b>POLISHING</b>                               |                                       |   |                                       | BEST CHOICE          | SECOND CHOICE        |

## CROSS REFERENCE GUIDE

|                  | STRIPPING<br>EXTRA COARSE | SURFACE FINISHING<br>COARSE – MEDIUM – FINE |                              |                     | SURFACE PREP<br>VERY FINE   |                              |
|------------------|---------------------------|---|------------------------------|---------------------|-----------------------------|------------------------------|
|                  | BEST<br>Blaze Rapid Strip | GOOD<br>Rapid Strip                         | BETTER<br>Vortex Rapid Blend | GOOD<br>Rapid Blend | BETTER<br>Vortex Rapid Prep | GOOD<br>Rapid Prep           |
| <b>NORTON 3M</b> | –                         | Clean & Strip                               | –                            | –                   | –                           | SL Surface Conditioning      |
| <b>Bibielle</b>  | –                         | SDR Strip-It/Red                            | –                            | Unitized            | –                           | –                            |
| <b>Camel</b>     | –                         | EZ Strip Black/Red                          | –                            | –                   | –                           | –                            |
| <b>Flexovit</b>  | –                         | Clean & Strip                               | –                            | –                   | –                           | –                            |
| <b>Hermes</b>    | –                         | Webrax                                      | –                            | –                   | –                           | –                            |
| <b>Pearl</b>     | –                         | S/C Stripping                               | –                            | –                   | –                           | Surface Preparation          |
| <b>Pferd</b>     | –                         | Policlean                                   | –                            | Poliflex PUR        | –                           | –                            |
| <b>Sait</b>      | –                         | Sait-Strip                                  | –                            | Unitized            | –                           | –                            |
| <b>Standard</b>  | –                         | Cleaning                                    | –                            | Unitized            | –                           | –                            |
| <b>Superior</b>  | –                         | Stripping                                   | –                            | Unitized            | –                           | –                            |
| <b>Walter</b>    | –                         | FX Cleaning                                 | –                            | –                   | –                           | Blendex Surface Conditioning |



### Norton Blaze Rapid Strip Type 27 Depressed Center Discs

*Strip/blend cast iron, steels, aluminum, fiberglass and composites*

- Open structure; will not load on sticky coatings, adhesives, and soft metals (e.g. aluminum), or snag and shed like a cloth or fiber disc
- Norton Blaze ceramic alumina grain provides 2X cut rate and life over silicon carbide
- Will not shed on heavily rust-encrusted pieces
- Extremely versatile; use one disc; stiff enough to stand abuse, but soft enough to prevent gouging and rework
- Use on edge for blending weld root forms
- Apply some pressure to strip or remove coatings; lighter pressure finishes like a surface finishing disc
- Fewer safety, ergonomic, and environmental issues due to fewer change-outs, less downtime, and less production waste/landfill scrap



## FEATURED PRODUCTS



### NORTON BLAZE RAPID STRIP NON-WOVEN DEPRESSED CENTER DISCS – TYPE 27

BEST CHOICE FOR QUICK AND EASY ROUGH CLEANING AND STRIPPING OF ALL MATERIALS

| FEATURES                      | BENEFITS  |
|-------------------------------|---|
| ■ Blaze ceramic alumina grain | ■ 2x cut rate, 2x life over silicon carbide products                      |
| ■ Advanced resin bond         | ■ Does not shed on rust-encrusted pieces, and prevents gouging and rework |
|                               | ■ Does not snag when used for deburring                                   |
| ■ Uniform coating process     | ■ Abrasive coating covers the entire disc providing a consistent cut rate |
| ■ Open structure              | ■ Sticky coating, adhesives and soft metals will not clog the disc        |

## AVAILABILITY

| TIER:         | BEST                     | GOOD               |
|---------------|--------------------------|--------------------|
| BRAND:        | Norton                   | Norton             |
| TRADENAME:    | <b>BLAZE RAPID STRIP</b> | <b>RAPID STRIP</b> |
| ABRASIVE:     | Ceramic Alumina          | Silicon Carbide    |
| GRIT SIZE:    | 36-50                    | 36-50              |
| GRADE:        | X-Coarse                 | X-Coarse           |
| TYPE/BACKING: | Type 27/Fiberglass       | Type 27/Fiberglass |

| SIZE (D x H)   | MAX. RPM | STD. PKG. | PART #      | PART #      |
|----------------|----------|-----------|-------------|-------------|
| 4-1/2 x 5/8-11 | 12,000   | 10        | 66254498101 | 66261009585 |
| 4-1/2 x 7/8    | 12,000   | 10        | 66623303783 | 66261009649 |
| 5 x 5/8-11     | 11,000   | 10        | 66623303915 |             |
| 5 x 7/8        | 11,000   | 10        | 66623303916 |             |
| 7 x 5/8-11     | 8,000    | 10        | 66623303919 | 66261009650 |
| 7 x 7/8        | 8,000    | 10        | 66623303920 | 66261009586 |



### NORTON VORTEX RAPID BLEND DEPRESSED CENTER DISCS – TYPE 27

REVOLUTIONARY TECHNOLOGY FOR HEAVY DEBURRING AND FINISHING

| FEATURES  | BENEFITS   |
|---|--|
| ■ Proprietary high-performance, engineered aluminum oxide aggregate grain | ■ Aggressive, fast stock removal cut rate while providing a fine finish        |
|   | ■ Twice the wheel life over conventional unified wheels, with minimal shedding |
| ■ New bond technology   | ■ Consistent performance with no smearing                                      |
| ■ Controlled porosity   | ■ Cooler and improved cut rate   |

## AVAILABILITY

| TIER:          | BETTER                    | GOOD               | GOOD               | GOOD               | GOOD                 |
|----------------|---------------------------|--------------------|--------------------|--------------------|----------------------|
| BRAND:         | Norton                    | Norton             | Norton             | Norton             | Norton               |
| TRADENAME:     | <b>VORTEX RAPID BLEND</b> | <b>RAPID BLEND</b> | <b>RAPID BLEND</b> | <b>RAPID BLEND</b> | <b>RAPID BLEND</b>   |
| ABRASIVE:      | Engineered A/O            | Aluminum Oxide     | Aluminum Oxide     | Silicon Carbide    | Aluminum Oxide       |
| GRIT SIZE:     | 100-120                   | 150-180            | 220-280            | 320-400            | 150-180              |
| SPECIFICATION: | Medium                    | NEX-2AM            | NEX-2AF            | NEX-2SVF           | High Strength Medium |
| TYPE/BACKING:  | Type 27/Fiberglass        | Type 27/Fiberglass | Type 27/Fiberglass | Type 27/Fiberglass | Type 27/Fiberglass   |

| SIZE (D x H)   | MAX. RPM | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |
|----------------|----------|-----------|-------------|-------------|-------------|-------------|-------------|
| 4-1/2 x 5/8-11 | 12,000   | 10        | 66254429243 | 66261023947 | 66261023946 | 66261023943 | 66261023949 |
| 4-1/2 x 7/8    | 12,000   | 10        | 66254429268 | 66261020548 | 66261020547 | 66261020546 | 66261020549 |



# BEAR-TEX®





**FEATURED PRODUCTS**



**NORTON VORTEX RAPID PREP NON-WOVEN DISCS**  
BETTER CHOICE FOR FINISHING AND BLENDING APPLICATIONS

**FEATURES**

- Proprietary, engineered Vortex aluminum oxide abrasive grain, new coating method, and smear-free Clean-Bond technology

**BENEFITS**

- Most consistent cutting and finishing surface conditioning products on the market
- Combine maximum cutting speed with the finish of fine grits
- Reduce process times by 50+% by eliminating 2 to 5 grit sequences to 1 step in your technical blending operations
- More resistant to edge wear; up 4X life vs. competitive products
- Friable grain structure keeps Ra specs throughout disc life and reduces scrap and rework

**7/8" Center Hole  
AVAILABILITY**

TIER:  
BRAND:  
TRADENAME:  
ABRASIVE:

|                     |           | BETTER            | GOOD           |
|---------------------|-----------|-------------------|----------------|
|                     |           | Norton            | Norton         |
|                     |           | VORTEX RAPID PREP | RAPID PREP     |
|                     |           | Aluminum Oxide    | Aluminum Oxide |
| SIZE (DIAMETER)     | STD. PKG. | PART #            | PART #         |
| <b>EXTRA COARSE</b> |           |                   |                |
| 4-1/2               | 25        | 66623334973       | 66623326070    |
| 5                   | 25        | 66623334975       | 66261090645    |
| 6                   | 25        | 66623341359       | 66623326076    |
| 7                   | 25        | 66623341360       | 66623326085    |
| <b>COARSE</b>       |           |                   |                |
| 4-1/2               | 25        | 66623334944       | 66254473868    |
| 5                   | 25        | 66623334946       | 66261008293    |
| 6                   | 25        | 66623341361       | 66623325136    |
| 7                   | 25        | 66623341362       | 66623325138    |
| <b>MEDIUM</b>       |           |                   |                |
| 4-1/2               | 25        | 66623333612       | 66623325915    |
| 5                   | 25        | 66623334963       | 66261017124    |
| 6                   | 25        | 66623341363       | 66623325918    |
| 7                   | 25        | 66623341364       | 66623325919    |
| <b>FINE</b>         |           |                   |                |
| 4-1/2               | 25        | 66623333608       | 66623325153    |
| 5                   | 25        | 66623334954       | 66254469132    |
| 6                   | 25        | 66623341365       | 66623325159    |
| 7                   | 25        | 66623341366       | 66623325897    |
| <b>VERY FINE</b>    |           |                   |                |
| 4-1/2               | 25        | 66623333616       | 66623325938    |
| 5                   | 25        | 66623333618       | 66623325943    |
| 6                   | 25        | 66623341367       | 66623325958    |
| 7                   | 25        | 66623341368       | 66623325959    |



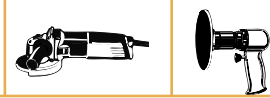
| DESCRIPTION                         | MAX. RPM | STD. PKG. | PART NO.    |
|-------------------------------------|----------|-----------|-------------|
| <b>Rapid Prep Disc Back-up Pads</b> |          |           |             |
| 4-1/2" Medium                       | 11,000   | 5         | 63642502122 |
| 5" Medium                           | 10,000   | 5         | 63642543421 |
| 7" Medium                           | 8,600    | 5         | 63642543422 |



**Norton Rapid Prep Surface Conditioning Products**

*The Perfect Abrasive, Coating, and Bond Built into Every Disc and Belt*

- Available in premium Vortex aluminum oxide aggregate grain and Norton aluminum oxide grain ideal for many aerospace, metal and stainless steel fabrication, and MRO applications
- Our proprietary coating method extends life and delivers consistent finishes by creating a thick layer of grain throughout the product. Grain does not sit on top of fibers as other competitive products can.
- Our new Clean Bond resin system guarantees smear-free finishes, even on high nickel content alloys; will not load on aluminum and soft metals, as competitive products can



## FEATURED PRODUCTS



### AVOS RAPID PREP SPEED-LOK DISCS

GOOD CHOICE FOR LIGHT DEBURRING, CLEANING AND FINISHING

| FEATURES  | BENEFITS  |
|---|---|
| <ul style="list-style-type: none"> <li>Patented hole design</li> </ul>        | <ul style="list-style-type: none"> <li>Allows interrupted cut, reducing heat up to 30% over standard surface preparation discs</li> <li>Cool cutting results in longer disc life</li> <li>Provides complete vision into the grinding zone</li> <li>Operators can grind more accurately with less re-work</li> </ul> |
| <ul style="list-style-type: none"> <li>Scooped holes</li> </ul>               | <ul style="list-style-type: none"> <li>Create air flow to pull loose abrasive and swarf away from work surface grinding zone – resulting in extended disc life</li> </ul>   |
| <ul style="list-style-type: none"> <li>15 degree angle back-up pad</li> </ul> | <ul style="list-style-type: none"> <li>Grinding at 5°-15° angle allows greater utilization of disc surface</li> <li>Eliminates gouging of workpiece</li> </ul>  |

### AVOS Speed-Lok AVAILABILITY

|                     |           | TIER:      | BETTER                       | GOOD              |
|---------------------|-----------|------------|------------------------------|-------------------|
|                     |           | BRAND:     | Norton                       | Norton            |
|                     |           | TRADENAME: | <b>VORTEX<br/>RAPID PREP</b> | <b>RAPID PREP</b> |
|                     |           | ABRASIVE:  | Aluminum Oxide               | Aluminum Oxide    |
| SIZE (DIAMETER)     | STD. PKG. |            | PART #                       | PART #            |
| <b>EXTRA COARSE</b> |           |            |                              |                   |
| 4-1/2               | 10        |            | 66623374800                  | 66623374815       |
| 5                   | 10        |            | 66623374801                  | 66623374816       |
| 7                   | 10        |            | 66623374802                  | 66623374817       |
| <b>COARSE</b>       |           |            |                              |                   |
| 4-1/2               | 10        |            | 66623374803                  | 66261010447       |
| 5                   | 10        |            | 66623374804                  | 66623374818       |
| 7                   | 10        |            | 66623374805                  |                   |
| <b>MEDIUM</b>       |           |            |                              |                   |
| 4-1/2               | 10        |            | 66623374806                  | 66261010448       |
| 5                   | 10        |            | 66623374807                  | 66623374819       |
| 7                   | 10        |            | 66623374808                  |                   |
| <b>FINE</b>         |           |            |                              |                   |
| 4-1/2               | 10        |            | 66623374809                  | 66623374820       |
| 5                   | 10        |            | 66623374810                  | 66623374821       |
| 7                   | 10        |            | 66623374811                  | 66623374822       |
| <b>VERY FINE</b>    |           |            |                              |                   |
| 4-1/2               | 10        |            | 66623374812                  | 66623374823       |
| 5                   | 10        |            | 66623374813                  | 66623374824       |
| 7                   | 10        |            | 66623374814                  |                   |



| DESCRIPTION                                     | MAX. RPM | STD. PKG. | PART #      |
|---|----------|-----------|-------------|
| <b>AVOS Speed-Lok Back-up Pads – Triangular</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 Thicker                              | 13,000   | 5         | 63642502517 |
| 5 x 5/8-11                                      | 13,000   | 5         | 63642503663 |
| 5 x 7/16-20 Pistol Grip*                        | 20,000   | 5         | 63642503030 |
| <b>AVOS Speed-Lok Back-up Pads – Round</b>      |          |           |             |
| 7 x 5/8-11 Hard                                 | 8,600    | 5         | 63642504873 |
| 7 x 5/8-11 Medium                               | 8,600    | 5         | 63642504874 |

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

### Speed Change 5/8"-11 AVAILABILITY

|                     |           | TIER:      | BETTER                       | GOOD              |
|---------------------|-----------|------------|------------------------------|-------------------|
|                     |           | BRAND:     | Norton                       | Norton            |
|                     |           | TRADENAME: | <b>VORTEX<br/>RAPID PREP</b> | <b>RAPID PREP</b> |
|                     |           | ABRASIVE:  | Aluminum Oxide               | Aluminum Oxide    |
| SIZE (DIAMETER)     | STD. PKG. |            | PART #                       | PART #            |
| <b>EXTRA COARSE</b> |           |            |                              |                   |
| 4-1/2               | 25        |            | 66623373667                  | 66623373690       |
| 5                   | 25        |            | 66623373669                  | 66623373691       |
| 7                   | 25        |            | 66623373670                  | 66623373692       |
| <b>COARSE</b>       |           |            |                              |                   |
| 4-1/2               | 25        |            | 66623373671                  | 66623373693       |
| 5                   | 25        |            | 66623373674                  | 66254498516       |
| 7                   | 25        |            | 66623373675                  | 66261192908       |
| <b>MEDIUM</b>       |           |            |                              |                   |
| 4-1/2               | 25        |            | 66623373678                  | 66623308157       |
| 5                   | 25        |            | 66623373679                  | 66623373694       |
| 7                   | 25        |            | 66623373680                  | 66261192913       |
| <b>FINE</b>         |           |            |                              |                   |
| 4-1/2               | 25        |            | 66623373681                  | 66623373696       |
| 5                   | 25        |            | 66623373682                  | 66623373695       |
| 7                   | 25        |            | 66623373684                  | 66623373697       |
| <b>VERY FINE</b>    |           |            |                              |                   |
| 4-1/2               | 25        |            | 66623373685                  | 66623373698       |
| 5                   | 25        |            | 66623373686                  | 66623373699       |
| 7                   | 25        |            | 66623373687                  | 66623373700       |



| DESCRIPTION   | MAX. RPM | STD. PKG. | PART #      |
|---|----------|-----------|-------------|
| <b>Smooth-Face Back-up Pads for 5/8-11 Speed-Change Discs</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 |
| 7" Soft   | 8,600    | 5         | 63642543250 |
| 9" Medium   | 7,000    | 5         | 63642543270 |



### CATEGORY DEFINITION

Norton and Merit non-woven quick-change discs are a combination of strong synthetic mesh and quality abrasives, bonded together by a smear-resistant adhesive. They are ideal for use on portable tools to clean and remove imperfections on metal surfaces, clean, deburr or finish a variety of surfaces, blend weld seams, or create decorative finishes. The open construction of the non-woven material enables aggressive cutting action and improved surface finish while maintaining its non-loading feature.

**APPLICATIONS:** Medium-light stock removal, beveling, deburring/deflashing, rust removal, blending, cleaning and finishing, polishing

**SURFACE FINISHING MATERIALS:** Surface stripping, surface deburring and blending, surface preparation, buffing, and polishing

**SIZE RANGE:** 3/4" – 8" diameter

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

**ABRASIVE GRAIN:** Ceramic Alumina, Aluminum Oxide, Silicon Carbide

**ATTACHMENT:** Quick-Change Type TR (Type III), Type TS (Type II), and Type TP (Type I)

**BACK-UP PADS:** Rubber with hardness variations for different applications



### QUICK-CHANGE ATTACHMENT SYSTEMS AND CROSS REFERENCE GUIDE

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

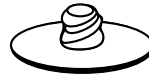
#### Type TS (Type II)

- 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

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

### APPLICATION/GRIT RECOMMENDATION GUIDE

|                        | MOST AGGRESSIVE |                      |                   |               | LEAST AGGRESSIVE    |  |
|------------------------|-----------------|----------------------|-------------------|---------------|---------------------|--|
|                        | RAPID STRIP     | VORTEX RAPID BLEND   | VORTEX RAPID PREP | RAPID PREP    |                     |  |
| <b>NORTON</b>          |                 |                      |                   |               |                     |  |
| <b>MERIT</b>           |                 | DEBURRING & BLENDING |                   |               | HS BUFFING, BUFFING |  |
| <b>SCALE REMOVAL</b>   | BEST CHOICE     |                      |                   |               |                     |  |
| <b>STOCK REMOVAL</b>   | BEST CHOICE     | SECOND CHOICE        |                   |               |                     |  |
| <b>HEAVY DEBURRING</b> | SECOND CHOICE   | BEST CHOICE          |                   |               |                     |  |
| <b>LIGHT DEBURRING</b> |                 | BEST CHOICE          | SECOND CHOICE     |               |                     |  |
| <b>LIGHT FINISHING</b> |                 |                      | BEST CHOICE       | SECOND CHOICE |                     |  |
| <b>BLENDING</b>        |                 |                      | BEST CHOICE       | SECOND CHOICE |                     |  |
| <b>CLEANING</b>        |                 |                      | SECOND CHOICE     | BEST CHOICE   |                     |  |
| <b>FINISHING</b>       |                 |                      |                   | BEST CHOICE   | SECOND CHOICE       |  |



## CROSS REFERENCE GUIDE

|                    | STRIPPING                 | HEAVY/LIGHT DEBURRING        |                              |                         | LIGHT DEBURRING/BLENDING/CLEANING/FINISHING |                              |                                 |
|--------------------|---------------------------|------------------------------|------------------------------|-------------------------|---|------------------------------|---------------------------------|
|                    | BEST<br>Blaze Rapid Strip | GOOD<br>Rapid Strip          | BETTER<br>Vortex Rapid Blend | GOOD<br>Rapid Blend     | BETTER<br>Vortex Rapid Prep                 | GOOD<br>Rapid Prep           | GOOD<br>HS Buffing,<br>Buffing  |
| <b>NORTON</b>      |                           |                              |                              |                         |   |                              |                                 |
| <b>MERIT</b>       |                           |                              |                              | Deburring & Blending    |   |                              |                                 |
| <b>3M</b>          | -                         | Clean & Strip Clean Strip XT | -                            | EXL Unitized            | -   | Surf Cond, SL, SE            | -                               |
| <b>Standard</b>    | -                         | Cleaning Disc                | -                            | 500-900 Series Unitized | -   | FE, GP, RC                   | Buff & Blend - HS, Buff & Blend |
| <b>Fiberal/SIA</b> | -                         |                              | -                            | -                       | -   | Meteor, Type B & C           | -                               |
| <b>Superior</b>    | -                         | Type R                       | -                            | XL Unitized             | -   | FD, GD, CC                   | HS, HD A/O                      |
| <b>Arc</b>         | -                         | Arcstrip                     | -                            | -                       | -   | Surface Cond                 | Blend & Finish                  |
| <b>Pferd</b>       | -                         | Policlean                    | -                            | -                       | -   | Finishing Disc - Hard & Soft | -                               |
| <b>Sait</b>        | -                         | SAIT-Strip                   | -                            | -                       | -   | HD, GP                       | Sand-Light Blending             |
| <b>Camel</b>       | -                         | EZ Strip - Black             | -                            | -                       | -   | -                            | -                               |
| <b>Klingspor</b>   | -                         | Strip-It Black               | -                            | -                       | -   | -                            | -                               |
| <b>Garryson</b>    | -                         |                              | -                            | -                       | -   | Surface Cond                 | -                               |
| <b>Bibielle</b>    | -                         |                              | -                            | BUR Unitized            | -   | DCR                          | -                               |

## ABRASIVE/GRIT/DENSITY KEY

| ABRASIVE  | SILICON CARBIDE                               | ALUMINUM OXIDE                                |             |   |              | CERAMIC ALUMINA |
|-----------|---|---|-------------|---|--------------|-----------------|
|           | SHARPER, FINER/BRIGHTER SCRATCH PATTERN       | MORE DURABLE, LONGER LASTING, POLISHED FINISH |             |   |              |                 |
| GRIT SIZE | XC (24-36)                                    | C (50-80)                                     | M (100-150) | F (180-220)   | VF (240-360) | SF (400-600)    |
|           | FASTER, AGGRESSIVE CUT, ROUGHER FINISH        |   |             | REDUCED CUT RATE, FINER FINISH                      |              |                 |
| DENSITY   | 2   |   |             |   |              | 9               |
|           | SOFT, OPEN, CONFORMABLE, LESS BURNING/LOADING |   |             | HARDER, MORE DURABLE, FASTER CUTTING, BETTER FINISH |              |                 |

## FEATURED PRODUCTS

### Quick-Change Rapid Strip Discs



#### NORTON BLAZE RAPID STRIP AND NORTON RAPID STRIP DISCS

IDEAL FOR REMOVING COATINGS ON A VARIETY OF SUBSTRATES, SUCH AS WOOD, METAL AND PLASTICS

##### FEATURES

- Manufactured with extruded nylon fibers, flexible resin technology, and extra-coarse abrasive grains
- Blaze Rapid Strip

##### BENEFITS

- Provide a unique combination of aggressive performance, long life, improved finish
- Outperform traditional coated abrasive products, leaving a thoroughly cleaned surface, ensuring excellent adhesion in subsequent processes such as coating, painting and soldering
- Great alternative to wire brushes
- Will not load on sticky coatings, adhesives, and soft metals, or snag and shed like a fiber disc
- 2X faster cutting than competitive discs; lasts 2X (plus) as long
- Stiff enough to stand abuse; soft enough to prevent gouging and rework. Apply some pressure to strip/remove coatings; lighter pressure finishes like a surface finishing disc

#### AVAILABILITY

|             |                          |
|-------------|--------------------------|
| TIER:       | <b>BEST</b>              |
| BRAND:      | Norton                   |
| TRADENAME:  | <b>BLAZE RAPID STRIP</b> |
| ABRASIVE:   | Ceramic Alumina          |
| GRADE:      | XC                       |
| ATTACHMENT: | TR (Type III)            |



|             |                    |
|-------------|--------------------|
| TIER:       | <b>GOOD</b>        |
| BRAND:      | Norton             |
| TRADENAME:  | <b>RAPID STRIP</b> |
| ABRASIVE:   | Silicon Carbide    |
| GRADE:      | XC                 |
| ATTACHMENT: | TR (Type III)      |



|             |                    |
|-------------|--------------------|
| TIER:       | <b>GOOD</b>        |
| BRAND:      | Norton             |
| TRADENAME:  | <b>RAPID STRIP</b> |
| ABRASIVE:   | Silicon Carbide    |
| GRADE:      | XC                 |
| ATTACHMENT: | TS (Type II)       |



| SIZE (DIAMETER) | MAX. RPM | STD. PKG. | PART #      | STD. PKG. | PART #      | STD. PKG. | PART #      |
|-----------------|----------|-----------|-------------|-----------|-------------|-----------|-------------|
| 2 x 1/2         | 15,500   | 25        | 66623303912 | 10        | 66261013402 |           |             |
| 3 x 1/2         | 12,000   | 25        | 66261096557 | 10        | 66261013403 | 25        | 66623333374 |
| 4 x 1/2 TR+     | 8,000    | 5         | 66623303921 | 5         | 66261016580 |           |             |



**FEATURED PRODUCTS**

**Deburring & Blending Discs**



**NEW**

**NORTON BLAZE RAPID BLEND DISCS**

REVOLUTIONARY TECHNOLOGY FOR HEAVY DEBURRING AND FINISHING

**FEATURES**

- Norton Blaze SG ceramic alumina grain
- Special resin chemistry
- New construction: abrasive is distributed throughout the entire disc (top, bottom and side)

**BENEFITS**

- Quickest cut rate and up to 8X longer life than competitive aluminum oxide discs
- Resists shedding when used on sharp edges, making it ideal for deburring
- All three faces can be used – versus competitive discs’ one bottom layer of abrasive
- 3 - 8 times the life of competitive surface blending discs
- Fewer safety, ergonomic, and environmental issues due to fewer change-outs, less downtime, and less production waste/landfill scrap
- No smearing



**EXPANDED OFFERING**

**NORTON VORTEX RAPID BLEND DISCS**

REVOLUTIONARY TECHNOLOGY FOR HEAVY DEBURRING AND FINISHING

**FEATURES**

- Proprietary Vortex aluminum oxide aggregate grain
- Special resin chemistry
- New construction: abrasive is distributed throughout the entire disc (top, bottom and side)

**BENEFITS**

- Performs the medium to fine grit steps of traditional discs in an easy one-step operation
- Resists shedding when used on sharp edges, making it ideal for deburring
- All three faces can be used – versus competitive discs’ one bottom layer of abrasive
- 3 - 8 times the life of competitive surface blending discs
- Fewer safety, ergonomic, and environmental issues due to fewer change-outs, less downtime, and less production waste/landfill scrap
- No smearing



**NORTON RAPID BLEND DISCS**

GOOD CHOICE FOR LIGHT DEBURRING, BLENDING, AND CLEANING

**FEATURES**

- Open mesh construction
- New construction: abrasive is distributed throughout the entire disc (top, bottom and side)

**BENEFITS**

- Waterproof, washable, conformable, and non-loading
- Designed for surface generation where stock removal is not required
- All three faces can be used – versus competitive discs’ one bottom layer of abrasive
- 3 - 8 times the life of competitive surface blending discs
- Fewer safety, ergonomic, and environmental issues due to fewer change-outs, less downtime, and less production waste/landfill scrap
- No smearing

**AVAILABILITY**

|             |                          |                           |
|-------------|--------------------------|---------------------------|
| TIER:       | <b>BEST</b>              | <b>BETTER</b>             |
| BRAND::     | Norton                   | Norton                    |
| TRADENAME:  | <b>BLAZE RAPID BLEND</b> | <b>VORTEX RAPID BLEND</b> |
| ABRASIVE:   | Ceramic Alumina          | Aluminum Oxide            |
| ATTACHMENT: | TS (Type II)             | TS (Type II)              |



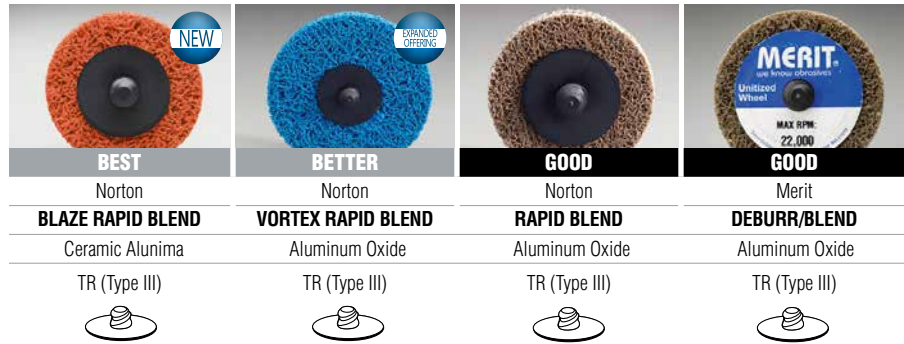
| SIZE (D x T) | ABRASIVE        | GRIT | DENSITY | MAX. RPM | STD. PKG. | PART #      | PART #      |
|--------------|-----------------|------|---------|----------|-----------|-------------|-------------|
| 1 x 1/4      | Ceramic Alumina | XC   | 1       | 35,100   | 100       | 66623313920 |             |
| 1-1/2 x 1/4  | Ceramic Alumina | XC   | 1       | 35,100   | 80        | 66623313922 |             |
| 2 x 1/4      | Ceramic Alumina | XC   | 1       | 12,100   | 25        | 66623313925 |             |
|              | Aluminum Oxide  | M    | 1       | 12,100   | 25        |             | 66254497070 |
| 3 x 1/4      | Ceramic Alumina | XC   | 1       | 12,100   | 25        | 66623313931 |             |
|              | Aluminum Oxide  | M    | 1       | 12,100   | 25        |             | 66254497069 |

Refer to the end of this section for a list of quick-change back-up pads.



**Deburring & Blending Discs** CONTINUED

AVAILABILITY



|             |                          |                           |                    |                     |
|-------------|--------------------------|---------------------------|--------------------|---------------------|
| TIER:       | <b>BEST</b>              | <b>BETTER</b>             | <b>GOOD</b>        | <b>GOOD</b>         |
| BRAND::     | Norton                   | Norton                    | Norton             | Merit               |
| TRADENAME:  | <b>BLAZE RAPID BLEND</b> | <b>VORTEX RAPID BLEND</b> | <b>RAPID BLEND</b> | <b>DEBURR/BLEND</b> |
| ABRASIVE:   | Ceramic Alunima          | Aluminum Oxide            | Aluminum Oxide     | Aluminum Oxide      |
| ATTACHMENT: | TR (Type III)            | TR (Type III)             | TR (Type III)      | TR (Type III)       |

| SIZE (D x T) | ABR. | GRIT | DENSITY | MAX. RPM | STD. PKG. | PART #      | PART #                     | PART #      | PART #       |              |
|--------------|------|------|---------|----------|-----------|-------------|----------------------------|-------------|--------------|--------------|
| 1 x 1/4      | C/A  | XC   | 1       | 35,100   | 100       | 66623313919 | 66254497806                |             |              |              |
|              | A/O  | M    | 1       | 35,100   | 100       |             |                            |             |              |              |
| 1-1/2 x 1/4  | C/A  | XC   | 1       | 35,100   | 80        | 66623313921 | 66254497807                |             |              |              |
|              | A/O  | M    | 1       | 35,100   | 80        |             |                            |             |              |              |
| 2 x 1/8      | A/O  | C    | 7-9     | 22,000   | 60        |             | 66254425632<br>66254433509 | 66261014921 |              |              |
|              | A/O  | M    | 2-3     | 22,000   | 60        |             |                            | 66261014897 |              |              |
|              | A/O  | M    | 4-6     | 22,000   | 60        |             |                            | 66261014911 |              |              |
|              | A/O  | M    | 7-9     | 22,000   | 60        |             |                            | 66261014935 |              |              |
|              | S/C  | F    | 2       | 22,000   | 60        |             |                            | 66261014889 |              |              |
|              | S/C  | F    | 3       | 22,000   | 60        |             |                            | 66261017306 |              |              |
|              | S/C  | F    | 4-6     | 22,000   | 60        |             |                            | 66261014906 |              |              |
| 2 x 3/16     | A/O  | M    | 2-3     | 22,000   | 60        | 66254428236 |                            |             |              |              |
| 2 x 1/4      | C/A  | XC   | 1       | 35,100   | 25        | 66623313923 |                            |             | 66261054187  |              |
|              | A/O  | C    | 7-9     | 22,000   | 60        |             |                            |             |              |              |
|              | A/O  | M    | 1       | 12,100   | 25        |             |                            |             | 66254497067  |              |
|              | A/O  | M    | 2-3     | 22,000   | 60        |             |                            |             | 66254428237  | 66261054183  |
|              | A/O  | M    | 4-6     | 22,000   | 60        |             |                            |             | 66254413660  | 66261054185  |
|              | A/O  | M    | 7-9     | 22,000   | 60        |             |                            |             | 66254433510  | 66261054186  |
|              | S/C  | F    | 2-3     | 22,000   | 60        |             |                            |             |              | 66261054182  |
| S/C          | F    | 4-6  | 22,000  | 60       |           | 66261054184 |                            |             |              |              |
| 3 x 1/8      | A/O  | C    | 7-9     | 15,000   | 40        |             | 66261093556<br>66261090909 | 66261014922 |              |              |
|              | A/O  | M    | 2-3     | 15,000   | 40        |             |                            | 66261014898 |              |              |
|              | A/O  | M    | 4-6     | 15,000   | 40        |             |                            | 66261014912 |              |              |
|              | A/O  | M    | 7-9     | 15,000   | 40        |             |                            | 66261014936 |              |              |
|              | A/O  | F    | 2-3     | 15,000   | 40        |             |                            |             |              |              |
|              | A/O  | F    | 4       | 15,000   | 40        |             |                            | 66261015419 |              |              |
|              | A/O  | F    | 6       | 15,000   | 40        |             |                            |             |              |              |
| 3 x 3/16     | A/O  | M    | 7-9     | 15,000   | 40        | 66254428239 |                            |             |              |              |
| 3 x 1/4      | C/A  | XC   | 1       | 12,100   | 25        | 66623313930 |                            |             | 66261054198* |              |
|              | A/O  | C    | 7-9     | 15,000   | 40        |             |                            |             |              |              |
|              | A/O  | M    | 1       | 12,100   | 25        |             |                            |             | 66254497068  |              |
|              | A/O  | M    | 2-3     | 15,000   | 40        |             |                            |             | 66254428238  | 66261054193* |
|              | A/O  | M    | 4-6     | 15,000   | 40        |             |                            |             | 66254413661  | 66261054196* |
|              | A/O  | M    | 7-9     | 15,000   | 40        |             |                            |             | 66254406395  | 66261054197* |
|              | A/O  | F    | 2-3     | 15,000   | 40        |             |                            |             |              | 66261054192* |
|              | A/O  | F    | 4-6     | 15,000   | 40        |             |                            |             |              | 66261054194* |
|              | S/C  | F    | 2       | 15,000   | 40        |             |                            |             |              |              |
|              | S/C  | F    | 3       | 15,000   | 40        |             |                            |             |              | 66261014890  |
|              | S/C  | F    | 4-6     | 15,000   | 40        |             |                            |             |              | 66261016005  |
|              |      |      |         |          |           |             | 66261054195*               |             |              |              |

\* STD. PKG. = 20 DISCS

Refer to the end of this section for a list of quick-change back-up pads.





## FEATURED PRODUCTS

### Surface Preparation Discs



#### NORTON VORTEX RAPID PREP

BETTER CHOICE FOR FINISHING AND BLENDING APPLICATIONS

##### FEATURES

- Proprietary Vortex aluminum oxide abrasive grain and coating method
- Clean Bond resin system, aerospace-tailored
- Extended form holding

##### BENEFITS

- Combines maximum cutting speed with the consistent finish of finer grits
- Reduce process times by 50+% by combining multiple grit sequences to 1 step
- More resistant to edge wear; up 4X life versus competitive products
- Friable grain structure keeps Ra specs throughout disc life, reducing scrap/rework
- Smear-free, even on high nickel content alloys
- Will not load on aluminum and soft metals, as competitive products may
- Lowest total cost of consumable tooling per workpiece



#### NORTON RAPID PREP

GOOD CHOICE FOR FINISHING AND BLENDING APPLICATIONS

##### FEATURES

- Clean Bond resin system, aerospace-tailored
- Proprietary coating method

##### BENEFITS

- Smear-free, even on high nickel content alloys
- Will not load on aluminum and soft metals, as competitive products may
- Thick layer of grain throughout the product extends life; grain does not sit on top of fibers as other competitive products may

| TIER:       | BETTER            | GOOD           | BETTER            | GOOD           | BETTER            | GOOD           |
|-------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|
| BRAND:      | Norton            | Norton         | Norton            | Norton         | Norton            | Norton         |
| TRADENAME:  | VORTEX RAPID PREP | RAPID PREP     | VORTEX RAPID PREP | RAPID PREP     | VORTEX RAPID PREP | RAPID PREP     |
| ABRASIVE:   | Aluminum Oxide    | Aluminum Oxide | Aluminum Oxide    | Aluminum Oxide | Aluminum Oxide    | Aluminum Oxide |
| ATTACHMENT: | TR (Type III)     | TR (Type III)  | TS (Type II)      | TS (Type II)   | TP (Type I)       | TP (Type I)    |



| SIZE (DIAM.)        | STD. PKG. | PART #      | PART #       | PART #      | PART #      | PART #      | PART #      |
|---------------------|-----------|-------------|--------------|-------------|-------------|-------------|-------------|
| <b>EXTRA COARSE</b> |           |             |              |             |             |             |             |
| 3/4                 | 50        | 66623325001 | 66623340002  | 66623335324 | 66261022401 | 66623325000 | 66623340000 |
| 1                   | 50        | 66623325004 | 66623340007  | 66623325003 | 66623340006 | 66623325002 | 66623340004 |
| 1-1/2               | 50        | 66623325007 | 66623340011  | 66623325006 | 66623340010 | 66623325005 | 66623340008 |
| 2                   | 50        | 66623335326 | 66261016373  | 66623335325 | 66261017819 | 66623325008 | 66623340012 |
| 3                   | 25        | 66623335327 | 66261016994  | 66623325010 | 66261017818 | 66623325009 | 66623340015 |
| 4                   | 25        | 66623335329 | 66261016374  | 66623335328 | 66623310706 | 66623325011 | 66623340018 |
| <b>COARSE</b>       |           |             |              |             |             |             |             |
| 3/4                 | 50        | 66623325013 | 66623340021  | 66623335410 | 66261095015 | 66623325012 | 66623340020 |
| 1                   | 50        | 66623325015 | 66623340023  | 66623335537 | 66261024310 | 66623325014 | 66623340022 |
| 1-1/2               | 50        | 66623335411 | 66261047579  | 66623325017 | 66623340026 | 66623325016 | 66623340024 |
| 2                   | 50        | 66623335414 | 66261009191* | 66623335413 | 66261009183 | 66623335412 | 66254498593 |
| 3                   | 25        | 66623335417 | 66261009194  | 66623335416 | 66261009186 | 66623335415 | 66254498596 |
| 4                   | 25        | 66623335419 | 66261008822  | 66623335418 | 66261055349 | 66623325018 | 66623340030 |
| <b>MEDIUM</b>       |           |             |              |             |             |             |             |
| 3/4                 | 50        | 66623325020 | 66623340032  | 66623335420 | 66254428059 | 66623325019 | 66623340031 |
| 1                   | 50        | 66623335422 | 66254482331  | 66623335421 | 66254482327 | 66623325021 | 66623340033 |
| 1-1/2               | 50        | 66623335424 | 66254482332  | 66623335423 | 66254482328 | 66623325022 | 66623340034 |
| 2                   | 50        | 66623335427 | 66261009190* | 66623335426 | 66261009182 | 66623335425 | 66254498520 |
| 3                   | 25        | 66623335430 | 66261017522  | 66623335429 | 66261009185 | 66623335428 | 66254498595 |
| 4                   | 25        | 66623335432 | 66261008821  | 66623335431 | 66261055350 | 66623325023 | 66623340039 |
| <b>FINE</b>         |           |             |              |             |             |             |             |
| 3/4                 | 50        | 66623325026 | 66623340058  | 66623325025 | 66623340056 | 66623325024 | 66623340054 |
| 1                   | 50        | 66623325029 | 66623340064  | 66623325028 | 66623340062 | 66623325027 | 66623340060 |
| 1-1/2               | 50        | 66623325032 | 66623340070  | 66623325031 | 66623340068 | 66623325030 | 66623340066 |
| 2                   | 50        | 66623325035 | 66623340077  | 66623325034 | 66623340074 | 66623325033 | 66623340072 |
| 3                   | 25        | 66623325038 | 66623340085  | 66623325037 | 66623340082 | 66623325036 | 66623340080 |
| 4                   | 25        | 66623325041 | 66623340092  | 66623325040 | 66623340090 | 66623325039 | 66623340088 |
| <b>VERY FINE</b>    |           |             |              |             |             |             |             |
| 3/4                 | 50        | 66623325044 | 66623340044  | 66623325043 | 66623340042 | 66623325042 | 66623340041 |
| 1                   | 50        | 66623325047 | 66254482339  | 66623325046 | 66254482335 | 66623325045 | 66623340045 |
| 1-1/2               | 50        | 66623325050 | 66254482340  | 66623325049 | 66254482336 | 66623325048 | 66623340046 |
| 2                   | 50        | 66623335433 | 66261009189* | 66623325052 | 66254482337 | 66623325051 | 66254498594 |
| 3                   | 25        | 66623335437 | 66261009192  | 66623335436 | 66261009184 | 66623325053 | 66254498597 |
| 4                   | 25        | 66623325056 | 66623340053  | 66623325055 | 66623340052 | 66623325054 | 66623340051 |
| <b>SUPER FINE</b>   |           |             |              |             |             |             |             |
| 2                   | 50        |             | 66261091459  |             |             |             |             |
| 3                   | 25        |             | 66261091460  |             |             |             |             |

\* 25 PER STANDARD PACKAGE



**FEATURED PRODUCTS**

**Surface Preparation Stars**



**MERIT SURFACE PREPARATION STARS**

THE PERFECT ITEM FOR ID WORK

| FEATURES         | BENEFITS  |
|------------------|---|
| ■ Star shape     | ■ Penetrates the ID and polishes or cleans the surface without disturbing any tolerances                          |
| ■ 1/4-20 eyelets | ■ Attach to Merit MM20-4 mandrel, Part # 08834183164<br>(See description at end of Overlap Slotted Disc Section.) |

AVAILABILITY

|             |                     |
|-------------|---------------------|
| TIER:       | <b>GOOD</b>         |
| BRAND::     | Merit               |
| TRADENAME:  | <b>SURFACE PREP</b> |
| ABRASIVE:   | Aluminum Oxide      |
| ATTACHMENT: | 1/4-20 Eyelet       |

| SIZE (D x EYELET) | GRIT | STD. PKG. | PART #      |
|-------------------|------|-----------|-------------|
| 1-1/2" x 1/4-20   | C    | 100       | 08834185923 |
|                   | M    | 100       | 08834185924 |
|                   | VF   | 100       | 08834185925 |
| 2" x 1/4-20       | C    | 100       | 08834185926 |
|                   | M    | 100       | 08834185927 |
|                   | VF   | 100       | 08834485928 |
| 3" x 1/4-20       | C    | 100       | 08834185929 |
|                   | M    | 100       | 08834185678 |
|                   | VF   | 100       | 08834185931 |
| 4" x 1/4-20       | C    | 100       | 08834185932 |
|                   | M    | 100       | 08834185933 |
|                   | VF   | 100       | 08834185934 |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.

**FEATURED PRODUCTS**

**Cross Buffs**



**MERIT CROSS BUFFS**

EXCELLENT FOR BLENDING, POLISHING AND ID USAGE

| FEATURES        | BENEFITS   |
|-----------------|--|
| ■ Unique design | ■ Durable non-woven construction that delivers longer life and cool running  |
| ■ 8-32 eyelets  | ■ Attach to Merit MM32-4 mandrel. Part No. 08834183163<br>(See description at end of Overlap Slotted Disc Section) |

AVAILABILITY

|             |                      |                |
|-------------|----------------------|----------------|
| TIER:       | <b>BETTER</b>        | <b>GOOD</b>    |
| BRAND::     | Merit                | Merit          |
| TRADENAME:  | <b>HIGH STRENGTH</b> | <b>BUFFING</b> |
| ABRASIVE:   | Aluminum Oxide       | Aluminum Oxide |
| ATTACHMENT: | 8-32 Eyelet          | 8-32 Eyelet    |

| SIZE (D x W) | GRIT      | PLY | STD. PKG. | PART #      | PART #      |
|--------------|-----------|-----|-----------|-------------|-------------|
| 1-1/2 x 1/2  | Coarse    | 2   | 100       |             | 08834188761 |
|              | Medium    | 2   | 100       | 08834189306 | 08834187312 |
|              | Very Fine | 2   | 100       | 08834189307 | 08834188585 |
| 1-1/2 x 1/2  | Coarse    | 3   | 100       |             | 66623301763 |
|              | Medium    | 3   | 100       | 08834189308 | 08834187311 |
|              | Very Fine | 3   | 100       | 08834189309 | 08834188586 |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.





## FEATURED PRODUCTS

### Buffing/Polishing Discs



#### BUFFING/POLISHING DISCS

DESIGNED FOR LIGHT REMOVAL OF PAINT OR RUST

##### FEATURES

- High-strength discs
- For light removal of paint or rust

##### BENEFITS

- Tough, yet conformable, and resist tearing on burrs and sharp edges
- Smear-proof
- Does not affect the base product

#### AVAILABILITY

|             |                      |
|-------------|----------------------|
| TIER:       | <b>BEST</b>          |
| BRAND:      | Norton               |
| TRADENAME:  | <b>HIGH-STRENGTH</b> |
| ABRASIVE:   | Aluminum Oxide       |
| ATTACHMENT: | TR (Type III)        |



| BETTER               | BETTER               | GOOD           | GOOD           | GOOD           |
|----------------------|----------------------|----------------|----------------|----------------|
| Merit                | Merit                | Merit          | Merit          | Merit          |
| <b>HIGH-STRENGTH</b> | <b>HIGH-STRENGTH</b> | <b>BUFFING</b> | <b>BUFFING</b> | <b>BUFFING</b> |
| Aluminum Oxide       | Aluminum Oxide       | Aluminum Oxide | Aluminum Oxide | Aluminum Oxide |
| TR (Type III)        | TS (Type II)         | TR (Type III)  | TS (Type II)   | TP (Type I)    |



| SIZE (D) | GRIT | STD. PKG. | PART #      | STD. PKG. | PART #      | PART #      | PART #      | PART #      | PART #      |             |
|----------|------|-----------|-------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1-1/2    | M    |           |             | 100       |             |             |             | 08834166368 | 08834166392 | 08834166292 |
|          | F    |           |             | 100       |             |             |             | 08834166369 |             | 08834166332 |
| 2        | C    | 160       | 66261014792 | 50        | 08834164064 | 08834164244 |             | 08834161649 | 08834166394 | 08834161627 |
|          | M    |           |             | 50        |             |             | 08834166303 | 08834166395 | 08834166280 |             |
|          | F    |           |             | 50        |             |             | 08834166304 | 08834166396 | 08834166281 |             |
|          | VF   |           |             | 50        |             |             | 08834163987 | 08834164245 | 08834166305 | 08834166405 |
| 3        | C    | 80        | 66261014793 | 25        | 08834164065 | 08834164252 |             | 08834161651 | 08834166397 | 08834166293 |
|          | M    |           |             | 25        |             |             | 08834166308 | 08834166398 | 08834166284 |             |
|          | F    |           |             | 25        |             |             | 08834166309 | 08834166399 | 08834166285 |             |
|          | VF   |           |             | 25        |             |             | 08834163559 | 08834164255 | 08834166310 | 08834166403 |
| 4        | M    |           |             | 25        |             |             |             | 08834166401 |             |             |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.

### 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



TR (TYPE III)



TS (TYPE II)



TP (TYPE I)

#### AVAILABILITY

|             |               |               |              |              |             |
|-------------|---------------|---------------|--------------|--------------|-------------|
| BRAND:      | Norton        | Merit         | Norton       | Merit        | Merit       |
| ATTACHMENT: | TR (Type III) | TR (Type III) | TS (Type II) | TS (Type II) | TP (Type I) |

| SIZE (DIAMETER)                  | MAX. RPM | DENSITY | PART #      | PART #      | PART #      | PART #      | PART #      |
|----------------------------------|----------|---------|-------------|-------------|-------------|-------------|-------------|
| <b>Quick-Change Back-up Pads</b> |          |         |             |             |             |             |             |
| 3/4"                             | 40,000   | Medium  |             | 08834164038 |             | 08834164206 | 08834164001 |
| 1"                               | 40,000   | Medium  |             | 08834164037 |             | 08834164651 | 08834164002 |
| 1-1/2"                           | 30,000   | Hard    |             | 08834164640 |             | 08834164622 | 08834163996 |
|                                  |          | Medium  | 66261047580 | 08834161174 |             | 08834164146 | 08834164003 |
| 2"                               | 30,000   | Hard    |             | 08834164643 | 63642543205 | 08834164624 | 08834163997 |
|                                  |          | Medium  | 66261055103 | 08834164922 | 63642543210 | 08834164198 | 08834164004 |
|                                  |          | Soft    |             | 08834164641 |             | 08834161625 | 08834163949 |
| 3"                               | 20,000   | Hard    | 63642504900 | 08834164036 | 63642543220 | 08834161626 | 08834163998 |
|                                  |          | Medium  | 66261055105 | 08834164949 | 63642543225 | 08834164113 | 08834164005 |
|                                  |          | Soft    |             | 08834164644 |             | 08834164626 | 08834163948 |
| 4"                               | 15,000   | Medium  | 66261047581 | 08834164655 | 63642543232 | 08834164135 | 08834164006 |
| 4" TR+                           | 8,000    | Medium  | 66261016581 | 63642555106 |             |             |             |

ALL QUICK-CHANGE BACK-UP PADS HAVE A 1/4" DIAMETER SHANK. STD. PKG. = 1

Refer to the end of the Coated Abrasive Quick-Change Discs section for a complete list of back-up pads and mandrels.



## FEATURED PRODUCTS

### Non-Woven Hook and Loop Discs



#### NORTON VORTEX RAPID PREP

BETTER CHOICE FOR FINISHING AND BLENDING APPLICATIONS

##### FEATURES

- Proprietary Vortex aluminum oxide abrasive grain and coating method
- Clean Bond resin system, aerospace-tailored
- Improved hook and loop backing

##### BENEFITS

- Most consistent cutting and finishing of surface conditioning products on the market
- Combines maximum cutting speed with the finish of finer grits
- Reduce process times by 50+% by combining multiple grit sequences to 1 step in a blending operation
- More resistant to edge wear; up 4X life vs. competitive products
- Friable grain structure keeps Ra specs throughout disc life and reduces scrap and rework
- Smear-free, even on high nickel content alloys
- Will not load on aluminum and soft metals, as competitive products may
- Will not fly off rotary sanders
- Discs sit flatter on back-up pads, resulting in a more consistent finish on DA applications

#### AVAILABILITY

TIER:  
BRAND:  
TRADENAME:  
ABRASIVE:

|                     |           | BETTER                   | GOOD              |
|---------------------|-----------|--------------------------|-------------------|
|                     |           | Norton                   | Norton            |
|                     |           | <b>VORTEX RAPID PREP</b> | <b>RAPID PREP</b> |
|                     |           | Aluminum Oxide           | Aluminum Oxide    |
| SIZE (DIAMETER)     | STD. PKG. | PART #                   | PART #            |
| <b>EXTRA COARSE</b> |           |                          |                   |
| 1-1/2               | 50        | 66623325061              | 66623340098       |
| 2                   | 50        | 66623334970              | 66261017900       |
| 3                   | 25        | 66623333620              | 66623326059       |
| 4                   | 25        | 66623334971              | 66261017382       |
| 4-1/2               | 25        | 66623334972              | 66261017906       |
| 5                   | 25        | 66623334974              | 66261017215       |
| 6                   | 25        | 66623333621              | 66623326077       |
| 7                   | 25        | 66623334976              | 66261192846       |
| 8                   | 25        | 66623334977              | 66261017531       |
| <b>COARSE</b>       |           |                          |                   |
| 1-1/2               | 50        | 66623325057              | 66623340099       |
| 2                   | 50        | 66623334882              | 66261004431*      |
| 3                   | 25        | 66623334883              | 66261055015       |
| 4                   | 25        | 66623334884              | 66261055018       |
| 4-1/2               | 25        | 66623334943              | 66261017806       |
| 5                   | 25        | 66623334945              | 66261004435       |
| 6                   | 25        | 66623334949              | 66261006910       |
| 7                   | 25        | 66623334951              | 66261055027       |
| 8                   | 25        | 66623334953              | 66261006913       |
| <b>MEDIUM</b>       |           |                          |                   |
| 1-1/2               | 50        | 66623325059              | 66623338571       |
| 2                   | 50        | 66623334958              | 66261004441       |
| 3                   | 25        | 66623334956              | 66261004442       |
| 4                   | 25        | 66623334959              | 66261055019       |
| 4-1/2               | 25        | 66623334961              | 66261004444       |
| 5                   | 25        | 66623334962              | 66261055022       |
| 6                   | 25        | 66623334964              | 66261006911       |
| 7                   | 25        | 66623334965              | 66261017813       |
| 8                   | 25        | 66623334966              | 66261017815       |
| <b>FINE</b>         |           |                          |                   |
| 1-1/2               | 50        | 66623325058              | 66623340101       |
| 2                   | 50        | 66623333604              | 66623325141       |
| 3                   | 25        | 66623333605              | 66623325143       |
| 4                   | 25        | 66623333606              | 66623325145       |
| 4-1/2               | 25        | 66623333607              | 66623325147       |
| 5                   | 25        | 66623333609              | 66623325154       |
| 6                   | 25        | 66623333610              | 66623325160       |
| 7                   | 25        | 66623334955              | 66261199465       |
| 8                   | 25        | 66623333611              | 66623325907       |

\* STANDARD PACKAGE = 80

CONTINUED



## Non-Woven Hook and Loop Discs CONTINUED

### AVAILABILITY

| TIER:             |           | BETTER                   | GOOD              |
|-------------------|-----------|--------------------------|-------------------|
| BRAND:            |           | Norton                   | Norton            |
| TRADENAME:        |           | <b>VORTEX RAPID PREP</b> | <b>RAPID PREP</b> |
| ABRASIVE:         |           | Aluminum Oxide           | Aluminum Oxide    |
| SIZE (DIAMETER)   | STD. PKG. | PART #                   | PART #            |
| <b>VERY FINE</b>  |           |                          |                   |
| 1-1/2             | 50        | 66623325060              | 66623340100       |
| 2                 | 50        | 66623333613              | 66623325926       |
| 3                 | 25        | 66623333614              | 66623325934       |
| 4                 | 25        | 66623334967              | 66261055020       |
| 4-1/2             | 25        | 66623333615              | 66623325936       |
| 5                 | 25        | 66623333617              | 66623325941       |
| 6                 | 25        | 66623334968              | 66261055026       |
| 7                 | 25        | 66623334969              | 66261019990       |
| 8                 | 25        | 66623333619              | 66623325972       |
| <b>SUPER FINE</b> |           |                          |                   |
| 4-1/2             | 25        |                          | 66261094948       |
| 5                 | 25        |                          | 66261019962       |
| 7                 | 25        |                          | 66261094949       |



## Back-Up Pads for Hook And Loop Discs

### AVAILABILITY

| TIER:                                       |                      | GOOD     | GOOD          |           |             |               |
|---|----------------------|----------|---------------|-----------|-------------|---------------|
| BRAND:                                      |                      | Norton   | Merit         |           |             |               |
| PAD DIAMETER                                | SPINDLE OR HOLE SIZE | MAX. RPM | 3M EQUIVALENT | STD. PKG. | PART #      | PART #        |
| <b>Back-Up Pads for Hook And Loop Discs</b> |                      |          |               |           |             |               |
| 2   | 1/4 Steel Shank      | 23,000   | 922           | 5         | 66261059352 | 08834168025*  |
| 3   | 1/4 Steel Shank      | 20,000   | 923           | 5         | 66261059354 | 08834168026*  |
| 4   | 1/4 Steel Shank      | 18,000   | 924           | 5         | 66261059356 | 08834168027*  |
|   | 1/2-13               | 13,000   | 914           | 5         | 66261059303 | 05539562714   |
|   | 5/8-11               | 13,000   | 914           | 5         | 66261059304 | 08834168984*  |
|   | M10 x 1.250          | 13,000   |               | 5         | 66261059305 |               |
| 4-1/2                                       | 5/8-11               | 10,000   | 9145          | 5         | 66261006948 | 05539562718   |
| 5   | 5/16-24 Male         | 10,000   | 905           | 5         | 66261059360 | 08834168993** |
|   | 3/8-24 Male          | 10,000   | 905           | 5         | 66261059308 | 08834168028*  |
|   | 5/8-11               | 10,000   | 915           | 5         | 66261059310 | 08834168967*  |
| 6   | 5/8-11               | 8,000    | 916           | 5         | 66261059312 | 05539562723   |
| 7   | 5/8-11               | 6,000    | 917           | 5         | 66261059368 | 08834168032*  |
| 8   | 5/8-11               | 4,500    | 918           | 5         | 66261059372 |               |

\* = 1 PER PKG, \*\* = 2 PER STD PKG.



## FEATURED PRODUCTS

### Non-Woven High Strength Discs



#### HIGH STRENGTH AND FASTCUT DISCS

BETTER CHOICE FOR LIGHT DEBURRING AND FINISHING

##### FEATURES

- Firm, durable web
- Tough, yet conformable
- Strong, smear-proof resin binders

##### BENEFITS

- High resistance to tearing on burrs and sharp edges
- Can be "ganged" together and used as a wheel
- Produce light satin finishes

Applications include rust/oxide or coating removal, pipe ID and OD polishing, casting cleaning, highlighting (antiquing), contaminant removal, removal of handling marks, gasket removal, cleaning and blending of surface imperfections, prepping prior to soldering, removal of filling materials, cleaning angles and odd shapes. Will not stretch or shed. Ganging increases versatility.

#### AVAILABILITY

|              |      | TIER: <b>BEST</b> |           | TIER: <b>BETTER</b> |             | TIER: <b>GOOD</b> |             |
|--------------|------|-------------------|-----------|---------------------|-------------|-------------------|-------------|
|              |      | Norton            |           | Norton              |             | Merit             |             |
|              |      | FAST CUT          |           | HIGH STRENGTH       |             | HIGH STRENGTH     |             |
|              |      | Aluminum Oxide    |           | Aluminum Oxide      |             | Aluminum Oxide    |             |
| SIZE (D x H) | GRIT | MAX. RPM          | STD. PKG. | PART #              | PART #      | STD. PKG.         | PART #      |
| 6 x 1/4      | VF   | 4,000             | 70        |                     | 66261007628 |                   |             |
| 6 x 1/2      | M    | 4,000             | 70        |                     | 66261005073 | 25                | 08834162410 |
|              | F    | 4,000             | 70        |                     |             | 25                | 08834167735 |
|              | VF   | 4,000             | 70        | 66261000601         | 66261004980 | 25                | 08834162411 |
| 8 x 1/2      | M    | 3,000             | 50        |                     | 66261005491 | 25                | 08834162412 |
|              | VF   | 3,000             | 50        |                     | 66261004506 | 25                | 08834162413 |
| 12 x 1-1/4   | VF   | 1,900             | 25        |                     | 66261008723 |                   |             |



| FITS HOLE   | FOR DISC WIDTH  | FOR DISC DIAMETER | SHANK DIAMETER | OVERALL LENGTH | WASHER DIAMETER | STD. PKG. | PART #      |
|---|-----------------|-------------------|----------------|----------------|-----------------|-----------|-------------|
| <b>Mandrel Assemblies for using Discs on Edge</b> |                 |                   |                |                |                 |           |             |
| 1/4"  | 1/2" (Standard) | up to 6"          | 1/4"           | 2-1/2"         | 1-1/2"          | 1         | 66261009502 |
| 1/2"  | 1/2" (Standard) | Up to 8"          | 1/4"           | 3-1/8"         | 2-1/4"          | 1         | 66261059420 |

## FEATURED PRODUCTS

### Non-Woven Disc Wheels



#### MERIT DISC WHEELS

GOOD CHOICE FOR LIGHT DEBURRING AND FINISHING

##### FEATURES

- Discs are "ganged" together to form a wheel

##### BENEFITS

- Mounted on a 1/4" steel mandrel embedded in an epoxy core
- Strong and durable



#### AVAILABILITY

|                          |           | TIER: <b>GOOD</b> |          |           |             |
|--------------------------|-----------|-------------------|----------|-----------|-------------|
|                          |           | Merit             |          |           |             |
|                          |           | Aluminum Oxide    |          |           |             |
| SIZE (D x W x 1/4 SHANK) | GRIT      | PLY               | MAX. RPM | STD. PKG. | PART #      |
| 2 x 1/2                  | Medium    | 2 Ply             | 12,000   | 10        | 08834131551 |
| 2 x 1                    | Medium    | 4 Ply             | 12,000   | 10        | 08834131554 |
| 3 x 1/2                  | Medium    | 2 Ply             | 8,000    | 10        | 08834131558 |
|                          | Very Fine | 3 Ply             | 8,000    | 10        | 08834131560 |
| 3 x 1                    | Medium    | 4 Ply             | 8,000    | 10        | 08834131496 |
|                          | Fine      | 5 Ply             | 8,000    | 10        | 08834131557 |
|                          | Very Fine | 5 Ply             | 8,000    | 10        | 08834131497 |
| 4 x 1/2                  | Fine      | 3 Ply             | 6,000    | 10        | 08834131562 |
| 4 x 1                    | Medium    | 4 Ply             | 6,000    | 10        | 08834131564 |
| 5 x 1/2                  | Medium    | 2 Ply             | 4,000    | 10        | 08834131567 |
| 5 x 1                    | Medium    | 4 Ply             | 4,000    | 10        | 08834131570 |
|                          | Fine      | 5 Ply             | 4,000    | 10        | 08834131571 |

DISC WHEELS ARE CONSTRUCTED BY NUMBER OF PLYS. THE ACTUAL FACE WIDTH WILL VARY AND WILL NOT MATCH THE LISTED WIDTH EXACTLY. FACE WIDTH IS GIVEN FOR REFERENCE ONLY. SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



FEATURED PRODUCTS

Non-Woven Abrasive Brushes



NON-WOVEN ABRASIVE BRUSHES



BACK-UP PAD

**NON-WOVEN ABRASIVE BRUSHES – TYPE 27**

USE WHERE MAXIMUM CONFORMABILITY IS NEEDED

FEATURES

- Feature tough, flexible nylon filaments embedded with abrasive grain

BENEFITS

- Provide finishing and polishing where maximum conformability is needed

AVAILABILITY

|            |                 |                 |
|------------|-----------------|-----------------|
| TIER:      | <b>GOOD</b>     | <b>GOOD</b>     |
| BRAND:     | Norton          | Norton          |
| ABRASIVE:  | Silicon Carbide | Silicon Carbide |
| GRIT SIZE: | 80              | 120             |

| SIZE (D x T x H)  | MAX. RPM | STD. PKG. | PART #      | PART #      |
|---|----------|-----------|-------------|-------------|
| <b>Abrasive Brush</b>                                   |          |           |             |             |
| 7 x 1 x 7/8   | 6,000    | 5         | 66261058830 | 66261058834 |
| USE WITH AIR-COOLED RUBBER BACK-UP PAD AND RETAINER NUT |          |           |             |             |
| <b>Abrasive Brush Back-up Pads</b>                      |          |           |             |             |
| 7" Medium   | 8,600    | 5         | 63642543422 |             |



NEW

**THIN and FLEXIBLE: Perfect for Tight Spots**

*Norton Bear-Tex Thin-Flex High-Performance Hand Pads*

- Achieve performance benefits of a Coarse and Fine grain product in one hand pad: fast cut and definitively better finish than competing pads.
- Extremely thin and conformable; ideal for cleaning, blending, finishing and deburring contoured surfaces and tight spaces
- Special coated web design for superior and constant cutting action without added effort from user
- Versatile; ideal for woodworking, metalworking, maintenance operations, and synthetics fabrication



### CATEGORY DEFINITION

Surface finishing hand pads and rolls are made of a non-woven nylon web impregnated with abrasive grain and resin bond.

- APPLICATIONS:** Light- to heavy-duty cleaning, deburring, blending, polishing, and finishing of metal, wood, composite, plastics, stone, solid surface and painted surfaces.
- ABRASIVE GRAIN:** Aluminum Oxide, Silicon Carbide
- GRIT RANGE:** Medium (M), Fine (F), Very Fine (VF), Ultra Fine (UF), Micro Fine (MF), Non-Abrasive (-)
- HAND PAD FEATURES:**
- Flexible; conform to work surface
  - Gentle action easily removes flashing or burrs without affecting dimension of workpiece
  - Non-loading; constant supply of new cutting edges
  - Non-rusting; no workpiece contamination
  - Resilient construction; long life, increased productivity; solvent resistant; waterproof
- SPONGE PAD FEATURES:**
- Non-woven material is laminated to a long-lasting sponge for the convenience of 2 pads in one
  - Superior replacement for steel wool
- ROLL FEATURES:**
- Economical alternative to cut pads
  - Can be cut to specific sizes

### APPLICATION/GRIT RECOMMENDATION GUIDE

← MORE AGGRESSIVE, ROUGHER FINISH

LESS AGGRESSIVE, FINER FINISH →

|                               |    |   |  |   |   |   |    |    |  |   |
|-------------------------------|--|---|--|---|---|---|--|--|--|---|
| <b>PRODUCT #:</b>             | #740   | #746  | #644   | #747  | #796  | #635  | #748   | THIN-FLEX VF   | THIN-FLEX UF   | #456  |
| <b>COLOR:</b>                 | DARK TAN   | GRAY  | MAROON   | MAROON  | GREEN   | GRAY  | GRAY   | MAROON   | GRAY   | WHITE   |
| <b>DESCRIPTION:</b>           | HEAVY DUTY   | BLENDED   | GP - FINE  | GP PLUS - VERY FINE   | SCOURING  | CLEAN & FINISH  | FINAL SHINE  | CLEANING   | CLEANING   | CLEANING  |
| <b>ABRASIVE:</b>              | AO   | SC  | AO   | AO  | AO  | SC  | SC   | AO   | SC   | Non-Abrasive  |
| <b>GRIT SIZE:</b>             | Medium<br>100 - 150  | Medium<br>100 - 150   | Fine<br>180 - 220  | Very Fine<br>240 - 360  | Very Fine<br>240 - 360  | Ultra Fine<br>400 - 600   | Micro Fine<br>800 - 1200   | Very Fine<br>240 - 360   | Ultra Fine<br>400 - 600  | Non-Abrasive<br>----  |
| <b>STEEL WOOL EQUIVALENT:</b> | 4<br>Extra Coarse  | 3<br>Coarse   | 2<br>Medium Coarse   | 1<br>Medium   | 0<br>Fine   | 00<br>Very Fine   | 00<br>Very Fine  | 00<br>Very Fine  | 000<br>Extra Fine  | 0000<br>SuperFine   |
| <b>APPLICATIONS:</b>          | <ul style="list-style-type: none"> <li>• Smear-free Clean Bond technology</li> <li>• 2X life</li> <li>• Most durable and aggressive cutting pad</li> <li>• Heavy-duty removal - rust - oxidation</li> <li>• Deburring</li> </ul> | <ul style="list-style-type: none"> <li>• Blending and deburring - welds - aluminum - stainless</li> </ul> | <ul style="list-style-type: none"> <li>• Cleaning and deburring - machinery - metal parts - plastic - solid surface - stone</li> </ul> | <ul style="list-style-type: none"> <li>• Light cleaning, deburring and finishing - machinery - metal parts - plastic - solid surface - stone</li> </ul> | <ul style="list-style-type: none"> <li>• Removing stains, marks, rust, corrosion or oxidation from stainless equipment</li> <li>• Light cleaning of metal surfaces</li> </ul> | <ul style="list-style-type: none"> <li>• Light cleaning and finishing of most surfaces - steel, aluminum - denibbing plastic - scuffing acrylics</li> </ul> | <ul style="list-style-type: none"> <li>• Final finishing - final rub on wood - final blend on metal - final finish on plastics and acrylics</li> </ul> | <ul style="list-style-type: none"> <li>• Maximum flexibility for consistent finishes</li> <li>• Cleaning blending, finishing, and deburring in woodwork, metalwork, MRO, and synthetic applications</li> </ul> | <ul style="list-style-type: none"> <li>• Maximum flexibility for consistent finishes</li> <li>• Cleaning blending, finishing, and deburring in woodwork, metalwork, MRO, and synthetic applications</li> </ul> | <ul style="list-style-type: none"> <li>• Scratch-free cleaning - metal - fiberglass - stone - solid surface - ceramic</li> <li>• Wood - highlighting - rubbing</li> </ul> |

### CROSS REFERENCE GUIDE

← COARSER

FINER →

|                 | #740       | #746      | #644  | #747                                | #796       | #635  | #748    | Thin-Flex VF           | Thin Flex UF         | #456           |
|-----------------|------------|-----------|-------|-------------------------------------|------------|-------|---------|------------------------|----------------------|----------------|
| <b>NORTON</b>   | #740       | #746      | #644  | #747                                | #796       | #635  | #748    | Thin-Flex VF           | Thin Flex UF         | #456           |
| <b>3M</b>       | 7440       | 7446      | 64659 | 7447/8447<br>Production<br>Hand Pad | 96         | 64660 | 7448    | Multi-Flex<br>Maroon   | Multi-Flex<br>Gray   | 7445           |
| <b>Camel</b>    | Tan        | -         | -     | Maroon                              | Green      | -     | Grey    | -                      | -                    | White          |
| <b>Mirka</b>    | -          | -         | -     | Maroon/Red VF                       | -          | -     | -       | Mirlon Total<br>Maroon | Mirlon Total<br>Gray | -              |
| <b>Sait</b>     | Brown      | -         | -     | Maroon                              | Green      | -     | Gray    | -                      | -                    | -              |
| <b>SIA</b>      | 6912 Brown | 6712 Grey | -     | 6912 Maroon                         | 6312 Green | -     | -       | -                      | -                    | -              |
| <b>Standard</b> | HD-Tan AO  | -         | -     | GP-Maroon VF                        | Green-AO   | HP-VF | UF Gray | -                      | -                    | Cleaning White |



### AVAILABILITY

| SIZE (W x L)                 | COLOR            | DESCRIPTION                             | ABRASIVE | GRIT SIZE | STD. PKG. | TIER:       |             |      |
|------------------------------|------------------|---|----------|-----------|-----------|-------------|-------------|------|
|                              |                  |   |          |           |           | BEST        | BETTER      | GOOD |
| BRAND::                      |                  |   |          |           | Norton    | Norton      | Norton      |      |
|                              |                  |   |          |           | PART #    | PART #      | PART #      |      |
| <b>Hand Pads</b>             |                  |   |          |           |           |             |             |      |
| 4-1/2 x 9                    | Maroon           | Thin Flex Cleaning Pad                  | A/O      | VF        | 25        | 66623398062 |             |      |
|                              | Grey             | Thin Flex Cleaning Pad                  | S/C      | UF        | 25        | 66623398063 |             |      |
| 6 x 9                        | Dark Tan         | 740 Heavy-Duty Pad IMPROVED!            | A/O      | Med       | 40        |             | 66261074000 |      |
|                              | Gray             | 746 Blending Pad                        | S/C      | Med       | 40        |             | 66261074600 |      |
|                              | Maroon           | 777 General Purpose Very Fine Pad       | A/O      | VF        | 60        |             | 66261077700 |      |
|                              | Maroon           | 747 General Purpose Plus Pad            | A/O      | VF        | 60        |             | 66261074700 |      |
|                              | Maroon           | 747 General Purpose Plus Perforated Pad | A/O      | VF        | 60        |             | 66261084700 |      |
|                              | Green            | 796 Scouring Pad                        | A/O      | VF        | 60        |             | 66261079600 |      |
|                              | Lt. Green        | 696 Food Pro Pad                        | A/O      | VF        | 60        |             | 66261069600 |      |
|                              | Gray             | 851 General Cleaning Pad                | S/C      | VF        | 40        |             | 66261085100 |      |
|                              | Gray             | 635 Clean & Finish Pad                  | S/C      | UF        | 60        |             | 66261063500 |      |
|                              | Gray             | 748 Final Shine Pad                     | S/C      | MF        | 60        |             | 66261074800 |      |
| White                        | 456 Cleaning Pad | None                                    | -        | 60        |           | 66261045600 |             |      |
| <b>Hand Pad Holder</b>       |                  |   |          |           |           |             |             |      |
| 3-1/4 x 5-1/2                | N/A              | Hand Pad Holder                         |          |           | 10        |             | 66261047583 |      |
| <b>Rolls</b>                 |                  |   |          |           |           |             |             |      |
| 4" x 30 Ft.                  | Maroon           | High Strength Roll                      | A/O      | M         | 3         |             | 66261006358 |      |
|                              | Dark Tan         | 740 Heavy-Duty Roll IMPROVED!           | A/O      | M         | 3         |             | 66261010081 |      |
|                              | Maroon           | 644 General Purpose Fine Roll           | A/O      | F         | 4         |             | 66261058364 |      |
|                              | Maroon           | 777 General Purpose Very Fine Roll      | A/O      | VF        | 4         |             | 66261006373 |      |
|                              | Maroon           | 747 General Purpose Plus Roll           | A/O      | VF        | 4         |             | 66261051701 |      |
|                              | Gray             | 851 General Cleaning Roll               | S/C      | VF        | 4         |             | 66261058360 |      |
|                              | Gray             | 635 Clean & Finish Roll                 | S/C      | UF        | 5         |             | 66261058357 |      |
| 6" x 30 Ft.                  | Maroon           | High Strength Roll                      | A/O      | M         | 2         |             | 66261005182 |      |
|                              | Maroon           | 747 General Purpose Plus Roll           | A/O      | VF        | 3         |             | 66261016430 |      |
|                              | Maroon           | 777 General Purpose Very Fine Roll      | A/O      | VF        | 3         |             | 66261004281 |      |
|                              | Gray             | 851 General Cleaning Roll               | S/C      | VF        | 3         |             | 66261058377 |      |
| 2" x 15 Ft. Handy Roll Pack  | Assorted         | 1 each A/O Fine, A/O VF, SC MF          | -        | -         | 1         |             | 66261008108 |      |
| <b>Scouring Pads/Sponges</b> |                  |   |          |           |           |             |             |      |
| 3-1/4 x 6-1/4 x 3/4          | Green/Yellow     | 893 Scour-N-Sponge Pad                  | A/O      | VF        | 40        |             | 66261059403 |      |
| 3-1/4 x 6-1/4 x 3/4          | White/Yellow     | 875 Clean-N-Sponge Pad                  | None     | -         | 40        |             | 66261059402 |      |



## Put Our Technology To Work!

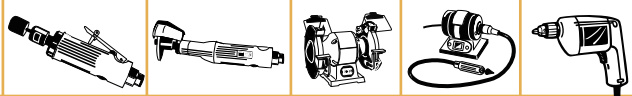
### UPGRADED PERFORMANCE Norton Bear-Tex 740 Hand Pad

Revolutionize your operation with our technological breakthrough for aggressive and rough metalworking applications. Our Clean Bond resin technology makes 740 heavy-duty hand pads more aggressive and durable than ever before.

#### FEATURES & BENEFITS

- Up to two times more life vs. competitive and former Norton products
- Increased grain retention for increased cutting capabilities
- Ultra flexible resin for added user comfort
- Ultra conformable for superior surface finish consistency

Our 740 series of products are available in non-stock sizes and shapes. Contact your Norton sales representative for samples.



### CATEGORY DEFINITION

Made from non-woven synthetic fiber mesh, which is impregnated with abrasives and bound with resins, non-woven wheels are designed to create desired surface finish where little or no stock removal is required. The industry's broadest offering is available for light stock removal, deburring, blending, finishing and polishing.

Non-woven wheels have an open mesh construction that is waterproof, washable, conformable and non-loading.

**APPLICATIONS:** Cleaning and removing imperfections on metal surfaces, cleaning built-up residue, deburring or finishing a variety of surfaces, blending weld seams or creating decorative finishes. Non-woven surface finishing products have excellent versatility.

**ABRASIVE GRAIN:** Aluminum Oxide, Silicon Carbide

**GRIT RANGE:** Extra Coarse (XC), Coarse (C), Medium (M), Fine (F),



### APPLICATION/GRIT RECOMMENDATION GUIDE

|                             | MOST AGGRESSIVE ← → LEAST AGGRESSIVE |                            |                                     |                                  |                                 |                                  |                                   |
|-----------------------------|--------------------------------------|----------------------------|-------------------------------------|----------------------------------|---------------------------------|----------------------------------|-----------------------------------|
|                             | RAPID STRIP WHEELS                   | RAPID BLEND UNIFIED WHEELS | SERIES 4000 & 1000 CONVOLUTE WHEELS | METAL FINISHING CONVOLUTE WHEELS | CLEAN & FINISH CONVOLUTE WHEELS | LIGHT FINISHING CONVOLUTE WHEELS | NON-WOVEN / INTERLEAF FLAP WHEELS |
| <b>SCALE REMOVAL</b>        | <b>BEST CHOICE</b>                   |                            |                                     |                                  |                                 |                                  |                                   |
| <b>STOCK REMOVAL</b>        |                                      | <b>BEST CHOICE</b>         | 2ND CHOICE                          |                                  |                                 |                                  |                                   |
| <b>HEAVY DEBURRING</b>      |                                      | <b>BEST CHOICE</b>         | 2ND CHOICE                          |                                  |                                 |                                  |                                   |
| <b>DECORATIVE FINISHING</b> |                                      |                            |                                     | <b>BEST CHOICE</b>               | 2ND CHOICE                      |                                  |                                   |
| <b>BLENDING</b>             |                                      |                            | <b>BEST CHOICE</b>                  | 2ND CHOICE                       |                                 |                                  |                                   |
| <b>CLEANING</b>             |                                      |                            |                                     | 2ND CHOICE                       | <b>BEST CHOICE</b>              |                                  |                                   |
| <b>LIGHT DEBURRING</b>      |                                      |                            | 2ND CHOICE                          |                                  |                                 | <b>BEST CHOICE</b>               |                                   |
| <b>LIGHT FINISHING</b>      |                                      |                            | 2ND CHOICE                          |                                  |                                 | <b>BEST CHOICE</b>               |                                   |
| <b>POLISHING</b>            |                                      |                            |                                     |                                  |                                 | <b>BEST CHOICE</b>               | 2ND CHOICE                        |
| <b>BUFFING</b>              |                                      |                            |                                     |                                  |                                 |                                  | <b>BEST CHOICE</b>                |

### SURFACE FINISH VARIABLES

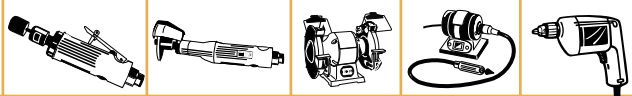
Changes in any one of many factors can affect the surface finish on the workpiece. This chart shows the effect on surface finish by changes in single factors of product specifications. Arrows have been used to signify the trend direction. The arrow length does not signify that the effect of each factor is equal.

| Variable Factor       | Rough Finish<br>High Rms Reading | Smooth Surface<br>Lower Rms Reading |
|-----------------------|----------------------------------|-------------------------------------|
| <b>1. Wheel Speed</b> | Slow ←                           | → Fast                              |
| <b>2. Feed Speed</b>  | Faster (Long Scratch) ←          | → Slower (Short Scratch)            |
| <b>3. Oscillation</b> | No Oscillation ←                 | → Oscillation                       |
| <b>4. Lubricants</b>  | Dry ←                            | → Straight Oil                      |
|                       | ← Water                          | → Soluble Oil                       |
|                       | ← Compounds                      | →                                   |

### NON-WOVEN MARKING SYSTEM

|                  |            |   |             |   |
|------------------|------------|---|-------------|---|
| <b>ABRASIVE</b>  | S/C        | ←   | →           | A/O   |
|                  |            | SHARPER, FINER/BRIGHTER SCRATCH PATTERN       |             | MORE DURABLE, LONGER LASTING, POLISHED FINISH       |
| <b>GRIT SIZE</b> | XC (24-36) | C (50-80)                                     | M (100-150) | F (180-220)   |
|                  | ←          |   |             | →   |
|                  |            | FASTER, AGGRESSIVE CUT, ROUGHER FINISH        |             | REDUCED CUT RATE, FINER FINISH                      |
| <b>DENSITY</b>   | 2          | ←   | →           | 9   |
|                  |            | SOFT, OPEN, CONFORMABLE, LESS BURNING/LOADING |             | HARDER, MORE DURABLE, FASTER CUTTING, BETTER FINISH |





### CROSS REFERENCE GUIDE

|                 | STRIPPING                  | HEAVY/LIGHT DEBURRING             | LIGHT DEBURRING/BLENDING/POLISHING |                            |                              |                                | CLEANING/FINISHING             |                               |  |
|-----------------|----------------------------|-----------------------------------|------------------------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|-------------------------------|--|
| <b>NORTON</b>   | <b>GOOD</b><br>Rapid Strip | <b>BEST</b><br>Vortex Rapid Blend | <b>GOOD</b><br>NEX Rapid Blend     | <b>BEST</b><br>Series 4000 | <b>BETTER</b><br>Series 1000 | <b>BEST</b><br>Light Finishing | <b>BEST</b><br>Metal Finishing | <b>BEST</b><br>Clean & Finish | <b>GOOD</b><br>Non-Woven / Interleaf Flap Wheels |
| <b>3M</b>       | Clean Strip                | Cut & Polish Unitized             | EXL Unitized                       | EX2 & EX3                  | EXL Deburring                | Light Deburring                | Metal Finishing                | Multi Finishing               | Finishing Flap Brush                             |
| <b>Standard</b> | Britestrip                 | 800 & 900 Series                  | 500 - 700 Series                   | GP Plus                    | Deburring Convolute          | LDW                            | Metal Finishing                | Multi Finishing               | Buff & Blend Flap Brush                          |

## Rapid Strip Wheels



### NORTON RAPID STRIP WHEELS

IDEAL FOR REMOVING COATINGS ON A VARIETY OF SUBSTRATES, SUCH AS WOOD, METAL AND PLASTICS

#### FEATURES

- Extruded nylon fibers, flexible resin technology, and extra-coarse silicon carbide mineral

#### BENEFITS

- Provide a unique combination of aggressive performance, long life, and improved finish while outperforming traditional coated abrasives
- Leave a thoroughly cleaned surface that ensures excellent adhesion for subsequent processes such as coating, painting and soldering.

#### AVAILABILITY

|            |                           |
|------------|---------------------------|
| TIER:      | <b>GOOD</b>               |
| BRAND:     | Norton                    |
| TRADENAME: | <b>RAPID STRIP WHEELS</b> |
| GRIT:      | Extra Coarse              |

| SIZE              | MAX. RPM | STD. PKG. | PART #      |
|-------------------|----------|-----------|-------------|
| <b>Arbor Hole</b> |          |           |             |
| 4 x 1/4           | 8,000    | 25        | 66261008008 |
| 4 x 1/2           | 8,000    | 25        | 66261007916 |
| 6 x 1/2           | 5,500    | 15        | 66261008051 |

## Rapid Blend Unified Wheels

Designed for maintenance operations needing an efficient and cost-effective method of deburring, polishing, cleaning or finishing metals and composites. Easily preformed for use on a wide variety of shapes/contours. Hold shape well; less wheel dressing. Non-metallic so no contamination of workpiece. Uniform construction maintains part tolerance; prevents cutting or gouging.



### NORTON VORTEX RAPID BLEND UNIFIED WHEELS

BETTER CHOICE FOR LIGHT WELD BEAD AND WELD SPLATTER REMOVAL, HEAVY DEBURRING AND FINISHING APPLICATIONS

#### FEATURES

- High-performance engineered grain and improved resin bond system
- Thick nylon web
- Controlled porosity

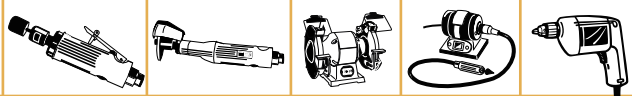
#### BENEFITS

- Aggressive, fast, stock removal, reduced cycle times, and increased part quality
- 2X longer life and faster finishing – with minimal shedding
- Cool cutting and improved cut rate

#### AVAILABILITY

|            |  |
|------------|--|
| TIER:      | <b>BETTER</b>                            |
| BRAND:     | Norton                                   |
| TRADENAME: | <b>VORTEX RAPID BLEND UNIFIED WHEELS</b> |

| SIZE (D x T x H) | ABRASIVE | GRIT SIZE | STD. PKG. | MAX. RPM | 3 DENSITY PART # | MAX. RPM | 5 DENSITY PART # | MAX. RPM | 7 DENSITY PART # | MAX. RPM | 9 DENSITY PART # |
|------------------|----------|-----------|-----------|----------|------------------|----------|------------------|----------|------------------|----------|------------------|
| 2 x 1/8 x 1/8    | A/O      | M         | 60        |          |                  | 22,000   | 66254425657      | 20,000   | 66254410849      |          |                  |
| 2 x 1/8 x 1/4    | A/O      | M         | 60        |          |                  | 22,000   | 66254406346      | 22,000   | 66261191446      |          |                  |
| 2 x 1/4 x 1/4    | A/O      | M         | 60        | 18,000   | 66254428456      | 22,000   | 66254433504      | 22,000   | 66261080270      |          |                  |
| 2 x 1 x 1/4      | A/O      | M         | 15        |          |                  |          |                  | 22,000   | 66261080269      |          |                  |
| 3 x 1/8 x 1/4    | A/O      | M         | 40        |          |                  | 18,000   | 66261093448      | 18,000   | 66261191445      |          |                  |
| 3 x 1/8 x 3/8    | A/O      | M         | 40        |          |                  | 18,000   | 66254433503      | 18,000   | 66254401131      |          |                  |
| 3 x 1/4 x 1/4    | A/O      | M         | 40        | 12,000   | 66254428454      | 18,000   | 66254414832      | 18,000   | 66261199696      |          |                  |
| 3 x 1/4 x 3/8    | A/O      | M         | 40        | 12,000   | 66254433505      | 12,000   | 66254433506      | 18,000   | 66261199697      |          |                  |
| 3 x 1/2 x 1/4    | A/O      | M         | 20        |          |                  | 18,000   | 66254432925      | 18,000   | 66261080267      | 18,000   | 66254433507      |
| 3 x 1/2 x 3/8    | A/O      | M         | 20        |          |                  | 18,000   | 66254433508      | 18,000   | 66261080266      | 18,000   | 66254420696      |



**Rapid Blend Unified Wheels** CONTINUED



**NORTON NEX RAPID BLEND WHEELS**  
GOOD CHOICE FOR LIGHT DEBURRING AND BLENDING

**FEATURES**

- Uniform construction
- Smear-resistant formula

**BENEFITS**

- Extra long life
- Excellent, consistent, smear-free finishes

**AVAILABILITY**

TIER:

**GOOD**

BRAND:

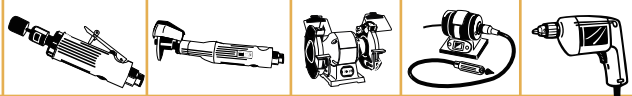
Norton

TRADENAME:

**NEX RAPID BLEND UNIFIED WHEELS**

| SIZE<br>(D x T x H) | ABRASIVE | GRIT | MAX. RPM | STD. PKG. | 2 DENSITY<br>PART # | 3 DENSITY<br>PART # | 4 DENSITY<br>PART # | 6 DENSITY<br>PART # | 7 DENSITY<br>PART # | 8 DENSITY<br>PART # |
|---------------------|----------|------|----------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1 x 1 x 3/16        | A/O      | C    | 30,000   | 50        |                     |                     |                     |                     |                     | 66261014915         |
|                     | A/O      | M    | 18,000   | 50        | 66261014891         |                     |                     |                     |                     |                     |
|                     | A/O      | M    | 30,000   | 50        |                     |                     |                     | 66261014908         |                     | 66261014924         |
|                     | A/O      | F    | 30,000   | 50        |                     |                     |                     | 66261014900         |                     |                     |
|                     | S/C      | F    | 18,000   | 50        | 66261014883         |                     |                     |                     |                     |                     |
|                     | S/C      | F    | 30,000   | 50        |                     |                     |                     | 66261014904         |                     | 66261014923         |
| 2 x 1/8 x 1/4       | A/O      | M    | 22,000   | 60        |                     |                     |                     |                     |                     | 66261014927         |
| 2 x 1/4 x 1/4       | A/O      | C    | 22,000   | 60        |                     |                     |                     |                     |                     | 66261014916         |
|                     | A/O      | M    | 18,000   | 60        | 66261014892         |                     |                     |                     |                     |                     |
|                     | A/O      | M    | 22,000   | 60        |                     |                     |                     |                     |                     | 66261014926         |
|                     | A/O      | F    | 22,000   | 60        |                     |                     |                     | 66261014901         |                     |                     |
|                     | S/C      | M    | 22,000   | 60        |                     |                     |                     |                     |                     | 66261014964         |
|                     | S/C      | F    | 18,000   | 60        | 66261014884         |                     |                     |                     |                     |                     |
| 2 x 1/2 x 1/4       | A/O      | M    | 22,000   | 30        |                     |                     |                     |                     |                     | 66261014925         |
| 3 x 1/8 x 1/4       | A/O      | M    | 18,000   | 40        |                     |                     |                     |                     |                     | 66261014934         |
| 3 x 1/4 x 1/4       | A/O      | C    | 18,000   | 40        |                     |                     |                     |                     |                     | 66261014919         |
|                     | A/O      | M    | 12,000   | 40        | 66261014894         |                     |                     |                     |                     |                     |
|                     | A/O      | M    | 18,000   | 40        |                     |                     |                     | 66261014909         |                     | 66261014930         |
|                     | A/O      | F    | 18,000   | 40        |                     |                     | 66261015565         | 66261014902         |                     |                     |
|                     | S/C      | M    | 18,000   | 40        |                     |                     |                     |                     |                     | 66261014937         |
|                     | S/C      | F    | 12,000   | 40        | 66261014886         | 66261016392         |                     |                     |                     |                     |
| 3 x 1/4 x 3/8       | A/O      | C    | 18,000   | 40        |                     |                     |                     |                     |                     | 66261014920         |
|                     | A/O      | M    | 12,000   | 40        | 66261014895         |                     |                     |                     |                     |                     |
|                     | A/O      | M    | 18,000   | 40        |                     |                     |                     | 66261014910         |                     | 66261014933         |
|                     | A/O      | F    | 12,000   | 40        |                     |                     | 66261014899         |                     |                     |                     |
|                     | S/C      | M    | 18,000   | 40        |                     |                     |                     |                     |                     | 66261014965         |
|                     | S/C      | F    | 12,000   | 40        | 66261014887         | 66261016006         |                     |                     |                     |                     |
|                     | S/C      | F    | 18,000   | 40        |                     |                     |                     | 66261014905         |                     |                     |
| 3 x 1/2 x 1/4       | A/O      | C    | 18,000   | 20        |                     |                     |                     |                     |                     | 66261014917         |
|                     | A/O      | M    | 12,000   | 20        | 66261014893         |                     |                     |                     |                     |                     |
|                     | A/O      | M    | 18,000   | 20        |                     |                     |                     | 66261014928         |                     |                     |
|                     | S/C      | F    | 12,000   | 20        | 66261014885         |                     |                     |                     |                     |                     |
| 3 x 1/2 x 3/8       | A/O      | C    | 18,000   | 20        |                     |                     |                     |                     |                     | 66261014918         |
|                     | A/O      | M    | 18,000   | 20        |                     |                     |                     |                     |                     | 66261014929         |
|                     | S/C      | XC   | 14,000   | 20        |                     |                     |                     |                     |                     |                     |
| 3 x 1 x 3/8         | S/C      | XC   | 14,000   | 10        |                     |                     |                     |                     | 66261014914         |                     |
| 6 x 1/2 x 1         | A/O      | M    | 7,500    | 4         |                     |                     |                     |                     |                     | 66261014931         |
| 6 x 1 x 1           | A/O      | M    | 5,000    | 2         | 66261014896         |                     |                     |                     |                     |                     |
|                     | S/C      | F    | 5,000    | 2         | 66261014888         |                     |                     |                     |                     |                     |





**Rapid Blend Unified Wheels** CONTINUED



AVAILABILITY

**NORTON RAPID BLEND DEBURRING UNIFIED WHEELS**  
GOOD STARTING SPECIFICATION FOR HIGH-SPEED DEBURRING APPLICATIONS

**FEATURES**

■ Controlled density range

**BENEFITS**

■ More durable than General Duty Wheels

TIER: **GOOD**  
BRAND: Norton  
TRADENAME: **RAPID BLEND DEBURRING UNIFIED WHEELS**

| SIZE (D x T x H) | ABRASIVE | GRIT | MAX. RPM | STD. PKG. | PART #      |
|------------------|----------|------|----------|-----------|-------------|
| 2 x 1/4 x 1/4    | A/O      | 220  | 20,000   | 60        | 66261052200 |
| 2 x 1/2 x 1/4    | A/O      | 120  | 20,000   | 40        | 66261058876 |
|                  | S/C      | 220  | 20,000   | 40        | 66261058782 |
| 3 x 1/4 x 1/4    | A/O      | 220  | 18,000   | 40        | 66261058877 |
|                  | S/C      | 220  | 18,000   | 40        | 66261058854 |
| 3 x 1/2 x 1/4    | S/C      | 220  | 18,000   | 20        | 66261058859 |
| 3 x 3/4 x 1/4    | A/O      | 220  | 18,000   | 20        | 66261058881 |



AVAILABILITY

**NORTON RAPID BLEND GENERAL DUTY DEBURRING UNIFIED WHEELS**  
GOOD CHOICE FOR GENERAL PURPOSE LIGHT DEBURRING APPLICATIONS

**FEATURES**

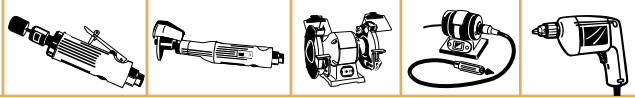
■ Outstanding resistance to snagging

**BENEFITS**

■ For general purpose light deburring applications

TIER: **GOOD**  
BRAND: Norton  
TRADENAME: **RAPID BLEND GENERAL DUTY UNIFIED WHEELS**

| SIZE (D x T x H) | ABRASIVE | GRIT | DENSITY | MAX. RPM | STD. PKG. | PART #      |
|------------------|----------|------|---------|----------|-----------|-------------|
| 1 x 1 x 3/16     | A/O      | C    | 8       | 15,000   | 50        | 66261000938 |
| 2 x 1/4 x 1/4    | A/O      | C    | 8       | 11,000   | 60        | 66261052275 |
| 2 x 1/2 x 1/4    | A/O      | F    | 4       | 11,000   | 40        | 66261058764 |
| 3 x 1/4 x 1/4    | A/O      | C    | 8       | 8,000    | 40        | 66261052276 |
|                  | A/O      | F    | 4       | 8,000    | 40        | 66261058816 |
|                  | S/C      | F    | 4       | 8,000    | 40        | 66261000745 |
| 3 x 1/2 x 1/4    | A/O      | F    | 4       | 8,000    | 20        | 66261054046 |
|                  | S/C      | F    | 4       | 8,000    | 20        | 66261054048 |
| 3 x 3/4 x 1/4    | A/O      | F    | 4       | 8,000    | 20        | 66261058769 |
|                  | S/C      | M    | 4       | 8,000    | 20        | 66261058773 |
|                  | S/C      | F    | 4       | 8,000    | 20        | 66261058771 |
| 6 x 1/2 x 1/2    | S/C      | M    | 4       | 4,800    | 8         | 66261058779 |
| 6 x 1 x 1/2      | S/C      | M    | 4       | 4,800    | 4         | 66261058792 |
|                  | S/C      | F    | 4       | 4,800    | 4         | 66261058790 |
| 6 x 1 x 1        | S/C      | F    | 4       | 4,800    | 4         | 66261058797 |



### Mandrels for Unified Wheels

| FITS WHEEL CENTER HOLE   | FOR WHEEL WIDTH | FOR WHEEL DIAMETER | SHANK DIAMETER | OVERALL LENGTH | WASHER DIAMETER | 3M EQUIVALENT | STD. PKG. | PART #      |
|--|-----------------|--------------------|----------------|----------------|-----------------|---------------|-----------|-------------|
| <b>Mandrel Assemblies for Unified Wheels and Discs on Edge</b> |                 |                    |                |                |                 |               |           |             |
| 1/8 – 3/16   | Up to 1/2       | Up to 2            | 1/8            | 1-3/4          | 7/16            | 931           | 1         | 66261009849 |
| 3/16   | 1/8 – 1/2       | 1 – 2              | 1/4            | 2              | 7/16            | 994           | 1         | 66261009852 |
| 1/4 – 5/16   | Up to 1/2       | Up to 2            | 1/4            | 2              | 5/8             | 932           | 1         | 66261015146 |
| 1/4 – 5/16   | Up to 1         | Up to 2            | 1/4            | 2-1/2          | 5/8             | 932           | 1         | 66261059422 |
|  | Up to 1         | 2 – 3              | 1/4            | 2-1/2          | 1               | 933           | 1         | 66261059421 |
| 3/8  | Up to 1/2       | 2 – 4              | 1/4            | 2-1/2          | 1               | 990           | 1         | 66261009851 |
| 1/2  | Up to 1         | 3 – 6              | 1/4            | 3-1/8          | 1-5/8           | 934           | 1         | 66261009850 |

| FOR CENTER HOLE                            | USE WITH UNIFIED WHEEL | SHANK DIAMETER | SHANK LENGTH | 3M EQUIVALENT | STD. PKG. | PART #      |
|--|------------------------|----------------|--------------|---------------|-----------|-------------|
| <b>Threaded Mandrel for Unified Wheels</b> |                        |                |              |               |           |             |
| 3/16                                       | 1 x 1 x 3/16           | 1/4"           | 1-3/4"       | 948           | 5         | 66261047584 |



MANDREL ASSEMBLY 66261059421



MANDREL ASSEMBLY 66261059422



THREADED MANDREL 66261047584





### Convolute Wheels

Formed by wrapping and bonding web material impregnated with abrasive grain and resin around a center core. Convolute wheels offer a wide range of uses:

- Burr and flashing removal
- Surface roughness reduction
- Blending weld areas on stainless steel
- Blending scratch patterns
- Weld polishing
- Removing rust and oxides
- Applying decorative finishes including antique patterns

## TECHtip

- Convolute wheels must always run in the direction indicated by the arrow printed on the side of each wheel.
- Light to medium pressure is recommended. Excessive pressure may result in part damage.
- Lubricants such as water-soluble oil and straight oil will decrease the heat and improve the surface finish and lustre.



It is the user's responsibility to refer to and comply with all safety regulations.

### FEATURED PRODUCTS



#### SERIES 4000 RAPID FINISH CONVOLUTE WHEELS

BEST CHOICE FOR HEAVY DEBURRING APPLICATIONS

##### FEATURES

- Advanced resin bond system
- High quality synthetic web

##### BENEFITS

- Free cutting
- Use both wet and dry
- Long life for heavy deburring, edge breaking and removing parting lines on exotic metals

### AVAILABILITY

TIER:

**BEST**

BRAND:

Norton

TRADENAME:

**SERIES 4000 RAPID FINISH CONVOLUTE WHEELS**

| SIZE (D x T x H)                                 | ABRASIVE | GRIT | MAX. RPM | STD. PKG. | 8 DENSITY PART # | 9 DENSITY PART # |
|--|----------|------|----------|-----------|------------------|------------------|
| <b>Series 4000 Rapid Finish Convolute Wheels</b> |          |      |          |           |                  |                  |
| 6 x 1/2 x 1                                      | S/C      | F    | 6,000    | 4         |                  | 66261004021      |
| 6 x 1 x 1  | A/O      | M    | 6,000    | 3         | 66261004208      |                  |
|  | S/C      | F    | 6,000    | 3         | 66261004142      | 66261004141      |
| 8 x 1 x 3  | A/O      | M    | 4,500    | 3         | 66261004165      |                  |
|  | S/C      | F    | 4,500    | 3         | 66261004123      | 66261004135      |
| 12 x 1 x 5                                       | S/C      | F    | 3,000    | 2         | 66261004284      | 66261004148      |
| 12 x 2 x 5                                       | S/C      | F    | 3,000    | 1         |                  | 66261004011      |



**BEAR-TEX®**



**Convolute Wheels** CONTINUED



**SERIES 1000 LONG LIFE RAPID FINISH CONVOLUTE WHEELS**  
BETTER CHOICE FOR GENERAL DEBURRING, BLENDING, AND FINAL FINISHING

| FEATURES                                 | BENEFITS   |
|--|--|
| ■ Smear and heat-resistant formula       | ■ Consistent, high quality results   |
| ■ Dense web construction (9 density)     | ■ Starting point for deburring, blending, polishing and finishing applications                               |
| ■ More open web construction (7 density) | ■ Smear-resistant and cool cutting on light deburring applications   |
| ■ Waterproof                             | ■ Use dry, wet or with oil   |
| ■ Non-metallic                           | ■ No contamination of workpiece  |
| ■ Optimum grain/resin formulation        | ■ Durable, long life construction with versatile application range and improved cut rate and shed resistance |
| ■ Conformable and flexible               | ■ Less operator fatigue  |

AVAILABILITY

|            |  |
|------------|--|
| TIER:      | <b>BETTER</b>  |
| BRAND:     | Norton   |
| TRADENAME: | <b>SERIES 1000 LONG LIFE RAPID FINISH CONVOLUTE WHEELS</b> |

| SIZE (D x T x H)   | ABRASIVE | GRIT | MAX. RPM | STD. PKG. | 7 DENSITY PART # | 8 DENSITY PART # | 9 DENSITY PART # |
|--|----------|------|----------|-----------|------------------|------------------|------------------|
| <b>Series 1000 Long Life Rapid Finish Convolute Wheels</b> |          |      |          |           |                  |                  |                  |
| 6 x 1/2 x 1  | A/O      | M    | 6,000    | 4         | 66261018857      | 66261018789      | 66261018650      |
|  | S/C      | M    | 6,000    | 4         |                  |                  | 66261019540      |
|  | S/C      | F    | 6,000    | 4         | 66261018628      |                  | 66261018629      |
| 6 x 1 x 1  | A/O      | M    | 6,000    | 3         | 69957397884      | 66261018636      | 66261019337      |
|  | S/C      | M    | 6,000    | 3         | 69957397882      | 69957397883      | 66261018630      |
|  | S/C      | F    | 6,000    | 3         | 66261018631      | 66261018774      | 66261018632      |
| 8 x 1 x 3  | A/O      | M    | 4,500    | 3         | 69957397885      | 66261018855      | 66261018633      |
|  | S/C      | M    | 4,500    | 3         | 69957394610      | 66261018673      | 66261018997      |
|  | S/C      | F    | 4,500    | 3         | 66261018639      | 66261018640      | 66261018641      |
| 12 x 1 x 5   | A/O      | M    | 3,000    | 2         | 69957397887      |                  | 66261018896      |
|  | S/C      | M    | 3,000    | 2         |                  | 66261018786      | 66261018908      |
|  | S/C      | F    | 3,000    | 2         |                  |                  | 66261018626      |



**LIGHT FINISHING CONVOLUTE WHEELS**  
BEST CHOICE FOR LIGHT DEBURRING, POLISHING, AND FINE FINISHING APPLICATIONS

| FEATURES                         | BENEFITS  |
|----------------------------------|---|
| ■ Controlled cut rate            | ■ Prevents "over benching"  |
|                                  | ■ Deburrs and polishes without altering geometry  |
| ■ Very conformable               | ■ Operator friendly, reduces fatigue  |
| ■ Superior form holding          | ■ Consistent, reliable edge breaking and finishing with minimal wheel dressing and reshaping                |
|                                  | ■ Less dust and shedding with more uniform wear   |
| ■ Durable resin bond system      | ■ Substantial extended wheel life in a soft, conformable wheel  |
| ■ Advanced manufacturing process | ■ Improved web forming and grain distribution produce consistent finish on intricate polishing applications |

AVAILABILITY

|            |   |
|------------|---|
| TIER:      | <b>BEST</b>                             |
| BRAND:     | Norton                                  |
| TRADENAME: | <b>LIGHT FINISHING CONVOLUTE WHEELS</b> |

| SIZE (D x T x H)                        | ABRASIVE | GRIT | MAX. RPM | STD. PKG. | 6 DENSITY PART # | 7 DENSITY PART # | 8 DENSITY PART # |
|---|----------|------|----------|-----------|------------------|------------------|------------------|
| <b>Light Finishing Convolute Wheels</b> |          |      |          |           |                  |                  |                  |
| 6 x 1/2 x 1                             | S/C      | F    | 6,000    | 4         | 66261092322      | 66261092324      | 66254421572      |
| 6 x 1 x 1                               | S/C      | F    | 6,000    | 3         | 66254403708      | 66254403709      | 66254421573      |
| 8 x 1/2 x 3                             | S/C      | F    | 4,500    | 4         | 66254403707      | 66254409698      | 66254421575      |
| 8 x 1 x 3                               | S/C      | F    | 4,500    | 3         | 66261095702      | 66254409924      | 66254421577      |



**Convolute Wheels** CONTINUED



**METAL FINISHING CONVOLUTE WHEELS**

BEST CHOICE FOR DECORATIVE FINISHING, BLENDING, AND FINAL FINISHING

| FEATURES                                    | BENEFITS   |
|---|--|
| ■ Premium, medium grit aluminum oxide grain | ■ Generates uniform distinct satin and antique finishes  |
| ■ Dense, very durable web                   | ■ Can be used for blending applications  |
| ■ Strongest resin binders                   | ■ Resilient, long life construction  |
| ■ Uniform grain dispersion and coating      | ■ Clean and condition without gouging or changing dimensions of workpiece  |
| ■ Available in 5 and 6 densities            | ■ Ideal for blending and matching #3 and 4 mil. finishes, and surface prep for buffing, polishing and applying decorative finishes |

AVAILABILITY

TIER: **BEST**  
 BRAND: Norton  
 TRADENAME: **METAL FINISHING CONVOLUTE WHEELS**

| SIZE (D x T x H)                        | ABRASIVE | GRIT | DENSITY | MAX. RPM | STD. PKG. | PART #      |
|---|----------|------|---------|----------|-----------|-------------|
| <b>Metal Finishing Convolute Wheels</b> |          |      |         |          |           |             |
| 6 x 1 x 1                               | A/O      | M    | 5       | 6,000    | 3         | 66261007936 |
|   |          | M    | 6       | 6,000    | 3         | 66261010148 |
| 6 x 2 x 1                               | A/O      | M    | 5       | 6,000    | 2         | 66261007957 |
|   |          | M    | 6       | 6,000    | 2         | 66261009635 |
| 8 x 1 x 3                               | A/O      | M    | 5       | 4,500    | 3         | 66261007831 |
| 8 x 2 x 3                               | A/O      | M    | 5       | 4,500    | 2         | 66261007904 |
|   |          | M    | 6       | 4,500    | 2         | 66261012971 |
| 12 x 1 x 5                              | A/O      | M    | 5       | 3,000    | 2         | 66261007434 |
|   |          | M    | 6       | 3,000    | 2         | 66261009481 |
| 12 x 2 x 5                              | A/O      | M    | 5       | 3,000    | 1         | 66261007212 |
| 14 x 2 x 8                              | A/O      | M    | 5       | 2,550    | 1         | 66261007817 |
|   |          | M    | 6       | 2,550    | 1         | 66261012041 |



**CLEAN & FINISH CONVOLUTE WHEELS**

BEST CHOICE FOR FINE FINISHING WITH LIGHT PRESSURE

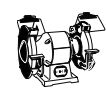
| FEATURES                 | BENEFITS  |
|--------------------------|---|
| ■ Silicon carbide grain  | ■ Good for blending, rust removal, applying decorative, contrast finishes and low- to moderate-speed applications |
| ■ Open mesh construction | ■ Not used for deburring  |
|                          | ■ Used with light to moderate pressure, low speed   |

AVAILABILITY

TIER: **BEST**  
 BRAND: Norton  
 TRADENAME: **CLEAN & FINISH CONVOLUTE WHEELS**

| SIZE (D x T x H)                           | ABRASIVE | GRIT | DENSITY | MAX. RPM | STD. PKG. | PART #      |
|--|----------|------|---------|----------|-----------|-------------|
| <b>Clean &amp; Finish Convolute Wheels</b> |          |      |         |          |           |             |
| 4 x 1 x 1                                  | S/C      | M    | 4       | 4,000    | 10        | 66261058502 |
|  |          | F    | 4       | 4,000    | 10        | 66261058501 |
| 6 x 1 x 1                                  | S/C      | M    | 4       | 3,000    | 4         | 66261058507 |
|  |          | F    | 4       | 3,000    | 4         | 66261058506 |
| 6 x 2 x 1                                  | S/C      | M    | 4       | 3,000    | 2         | 66261058510 |
|  |          | F    | 4       | 3,000    | 2         | 66261058509 |
| 6 x 3 x 1                                  | S/C      | M    | 4       | 3,000    | 1         | 66261058512 |
| 6 x 4 x 1                                  | S/C      | M    | 4       | 3,000    | 1         | 66261058514 |
| 8 x 1 x 3                                  | S/C      | M    | 4       | 2,500    | 3         | 66261058518 |
| 8 x 2 x 3                                  | S/C      | M    | 4       | 2,500    | 2         | 66261058521 |
| 8 x 3 x 3                                  | S/C      | M    | 4       | 2,500    | 1         | 66261058524 |
| 8 x 4 x 3                                  | S/C      | M    | 4       | 2,500    | 1         | 66261058526 |





**Aluminum Reducing Bushings for Flap and Convolute Wheels**

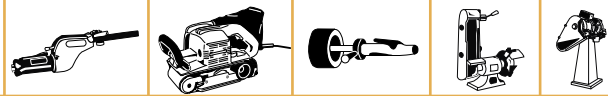


- Durable, aluminum one-piece-design flanges with integrated “contact washer”
- Snug fit; extended usable life
- Available in stock and non-stock sizes: 3" up to 10" in many combinations of ID hole reduction

| WHEEL CENTER HOLE  | BUSHING REDUCES HOLE SIZE TO | FOR WHEEL DIAMETER | STD. PKG. | PART #      |
|--|------------------------------|--------------------|-----------|-------------|
| <b>Aluminum Reducing Bushing for Flap and Convolute Wheels</b> |                              |                    |           |             |
| 1  | 3/8                          | 4 - 6              | 1 Pair    | 66261080522 |
|  | 1/2                          | 4 - 6              | 1 Pair    | 66261080523 |
|  | 5/8                          | 4 - 6              | 1 Pair    | 66261080524 |
|  | 3/4                          | 4 - 6              | 1 Pair    | 66261080525 |
|  | 7/8                          | 4 - 6              | 1 Pair    | 66261080526 |
| 2  | 1/2                          | 6                  | 1 Pair    | 66261080527 |
|  | 5/8                          | 6                  | 1 Pair    | 66261080528 |
|  | 1                            | 6                  | 1 Pair    | 66261080529 |
|  | 1-1/4                        | 6                  | 1 Pair    | 66261080530 |
| 3  | 1                            | 8                  | 1 Pair    | 66261080531 |
|  | 1-1/4                        | 8                  | 1 Pair    | 66261080532 |
|  | 1-1/2                        | 8                  | 1 Pair    | 66261080383 |
|  | 2                            | 8                  | 1 Pair    | 66261080514 |
| 5  | 1                            | 10 and 12          | 1 Pair    | 66261080533 |
|  | 1-1/4                        | 10 and 12          | 1 Pair    | 66261080534 |
|  | 3                            | 10 and 12          | 1 Pair    | 66261080535 |
| 8  | 1-1/4                        | 14                 | 1 Pair    | 66261080536 |
| 10   | 1-1/4                        | 16                 | 1 Pair    | 66261080520 |







## CATEGORY DEFINITION

Norton non-woven belts are a combination of strong synthetic mesh and quality abrasive, bonded together by a smear-resistant adhesive. The open construction of non-woven material enables aggressive cutting action and improved surface finish while maintaining its non-loading feature.

**APPLICATIONS:** Removing surface defects, light edge burrs, parting lines, flashing, rust, oxides, corrosion, paints, and scale; blending mill marks, tool marks, uneven edges, and applying decorative finishes.

**ABRASIVE GRAIN:** Aluminum Oxide

**GRIT RANGE:** Extra Coarse (Black), Coarse (Brown), Medium (Maroon), Fine (Green), Very Fine (Blue)

## APPLICATION/GRIT RECOMMENDATION GUIDE

|                        | EXTRA COARSE                             | COARSE | MEDIUM | FINE | VERY FINE |
|------------------------|--|--------|--------|------|-----------|
|                        | BETTER CHOICE - NORTON VORTEX RAPID PREP |        |        |      |           |
|                        | GOOD CHOICE - NORTON RAPID PREP          |        |        |      |           |
| <b>Scale Removal</b>   | X  |        |        |      |           |
| <b>Stock Removal</b>   |  | X      |        |      |           |
| <b>Heavy Deburring</b> |  | X      |        |      |           |
| <b>Light Deburring</b> |  |        | X      |      |           |
| <b>Light Finishing</b> |  |        | X      |      |           |
| <b>Blending</b>        |  |        |        | X    |           |
| <b>Finishing</b>       |  |        |        |      | X         |

## FEATURED PRODUCTS



### NORTON VORTEX RAPID PREP NON-WOVEN BELTS

BETTER CHOICE FOR FINISHING AND BLENDING APPLICATIONS

#### FEATURES

- Proprietary Vortex aluminum oxide abrasive grain and new coating method

#### BENEFITS

- Most consistent cutting and finishing of surface conditioning products on the market
- Combine maximum cutting speed with the finish of fine grits
- Reduce process times by 50+% by eliminating 2 to 5 grit sequences to 1 step in your technical blending operations
- More resistant to edge wear; up 4X life vs. competitive products
- Friable grain structure keeps Ra specs throughout disc life and reduces scrap and rework

- Clean Bond resin system, aerospace-tailored

- Smear-free, even on high nickel content alloys
- Will not load on aluminum and soft metals, as competitive products may



### NORTON RAPID PREP

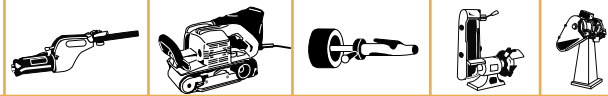
GOOD CHOICE FOR FINISHING AND BLENDING APPLICATIONS

#### FEATURES

- Clean Bond resin system, aerospace-tailored
- Proprietary new coating method
- Extended form holding

#### BENEFITS

- Smear-free, even on high nickel content alloys
- Will not load on aluminum and soft metals, as competitive products may
- Thick layer of grain throughout the product extends life; grain does not sit on top of fibers as other competitive products may
- Lowest total cost of consumable tooling per workpiece
- 50% better life than competitive aluminum oxide products



**Norton Vortex Rapid Prep**

AVAILABILITY

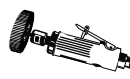
| TIER:       |          |           | BETTER                   | BETTER                   | BETTER                   | BETTER                   | BETTER                   |
|-------------|----------|-----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| BRAND:      |          |           | Norton                   | Norton                   | Norton                   | Norton                   | Norton                   |
| TRADENAME:  |          |           | <b>VORTEX RAPID PREP</b> | <b>VORTEX RAPID PREP</b> | <b>VORTEX RAPID PREP</b> | <b>VORTEX RAPID PREP</b> | <b>VORTEX RAPID PREP</b> |
| ABRASIVE:   |          |           | Aluminum Oxide           | Aluminum Oxide           | Aluminum Oxide           | Aluminum Oxide           | Aluminum Oxide           |
| GRIT/COLOR: |          |           | <b>EXTRA COARSE</b>      | <b>COARSE</b>            | <b>MEDIUM</b>            | <b>FINE</b>              | <b>VERY FINE</b>         |
| WIDTH       | LENGTH   | STD. PKG. | PART #                   | PART #                   | PART #                   | PART #                   | PART #                   |
| 2           | 18-15/16 | 12        | 66623313274              | 66623335031              | 66623333675              | 66623333649              | 66623333688              |
| 2-3/4       | 15-1/2   | 10        | 66623333718              | 66623333628              | 66623333676              | 66623333655              | 66623333694              |
| 3           | 10-11/16 | 12        | 66623333719              | 66623335039              | 66623335110              | 66623333656              | 66623333695              |
|             | 18       | 10        | 66623335149              | 66623335040              | 66623335112              | 66623333657              | 66623335135              |
|             | 21       | 10        | 66623333720              | 66623333629              | 66623335113              | 66623333658              | 66623333696              |
|             | 24       | 10        | 66623335150              | 66623333630              | 66623335114              | 66623333659              | 66623335136              |
| 3-1/2       | 15-1/2   | 8         | 66623333725              | 66623335042              | 66623335118              | 66623333665              | 66623335139              |
| 4           | 24       | 8         | 66623333726              | 66623335043              | 66623335119              | 66623333666              | 66623333700              |

**Norton Rapid Prep**

AVAILABILITY

| TIER:       |          |           | GOOD                | GOOD              | GOOD              | GOOD              | GOOD              |
|-------------|----------|-----------|---------------------|-------------------|-------------------|-------------------|-------------------|
| BRAND:      |          |           | Norton              | Norton            | Norton            | Norton            | Norton            |
| TRADENAME:  |          |           | <b>RAPID PREP</b>   | <b>RAPID PREP</b> | <b>RAPID PREP</b> | <b>RAPID PREP</b> | <b>RAPID PREP</b> |
| ABRASIVE:   |          |           | Aluminum Oxide      | Aluminum Oxide    | Aluminum Oxide    | Aluminum Oxide    | Aluminum Oxide    |
| GRIT/COLOR: |          |           | <b>EXTRA COARSE</b> | <b>COARSE</b>     | <b>MEDIUM</b>     | <b>FINE</b>       | <b>VERY FINE</b>  |
| WIDTH       | LENGTH   | STD. PKG. | PART #              | PART #            | PART #            | PART #            | PART #            |
| 1/4         | 18       | 24        |                     | 66261011420       | 66261012524       | 66623333424       | 66623333511       |
|             | 24       | 24        |                     | 69957392606       | 66261097565       | 66623333425       | 66623333512       |
| 1/2         | 12       | 24        |                     | 66261003177       | 66261006465       | 66623318175       | 66254499884       |
|             | 18       | 24        |                     | 66261055309       | 66261055310       | 66623333426       | 66261055311       |
|             | 24       | 24        |                     | 66261055312       | 66261008972       | 66254490859       | 66261019876       |
| 3/4         | 18       | 12        |                     | 66261002111       | 66261015808       | 66254490858       | 66261003622       |
|             | 20-1/2   | 12        |                     | 66261083899       | 66261003260       | 66623333427       | 66623333515       |
|             | 80       | 12        |                     | 66623333411       | 66623333505       | 66623333428       | 66623333516       |
| 1           | 18       | 12        |                     | 66261007023       | 66261017898       | 66623333429       | 66623333518       |
|             | 21       | 12        |                     | 66623333412       | 666233336005      | 66623333430       | 66623333519       |
|             | 30       | 12        |                     | 66261019801       | 66623336006       | 66623333431       | 66261001972       |
|             | 42       | 12        |                     | 66261008317       | 66254441289       | 66623333432       | 66623333521       |
|             | 60       | 12        |                     | 66623333413       | 66623333506       | 66623333433       | 66261055412       |
|             | 64       | 12        |                     | 66623333414       | 66623301513       | 66623333434       | 66261055413       |
|             | 72       | 12        |                     | 66261194240       | 66261006378       | 66254493830       | 66261005583       |
|             | 132      | 10        |                     | 66623314981       | 66261011414       | 66254436886       | 66623333525       |
| 1-1/2       | 60       | 8         |                     | 66623333415       | 66261007644       | 66623333435       | 66623303624       |
| 2           | 18-15/16 | 12        | 66261018226         | 66261018224       | 66623333507       | 66623333436       | 66623333528       |
|             | 34       | 12        |                     | 66261063309       | 66623312203       | 66623333437       | 66623333529       |
|             | 48       | 10        |                     | 66261006504       | 66261006648       | 66623333438       | 66623333531       |
|             | 60       | 8         |                     | 66623333416       | 66261189669       | 66623333439       | 66623333532       |
|             | 72       | 8         |                     | 66261002571       | 66261007757       | 66623333440       | 66261002307       |
|             | 132      | 6         |                     | 66261008491       | 66261008492       | 66261069525       | 66623333533       |
| 2-1/2       | 60       | 6         |                     | 66254429365       | 66254441491       | 66623333441       | 66623333534       |
| 2-3/4       | 15-1/2   | 10        |                     | 66623333417       | 66623333508       | 66623333442       | 66623333535       |
| 3           | 10-11/16 | 12        | 66623333580         | 66261018076       | 66261067469       | 66623333443       | 66623333536       |
|             | 18       | 10        | 66254428772         | 66254496043       | 66254428776       | 66623333444       | 66261019836       |
|             | 21       | 10        | 66623333584         | 66623333418       | 66261010870       | 66623333445       | 66623333537       |
|             | 24       | 10        | 66254433359         | 66623314158       | 66254428773       | 66623333446       | 66261055593       |
|             | 72       | 6         |                     | 66623333419       | 69957396833       | 66623333447       | 66261003176       |
|             | 80       | 4         |                     | 66623333420       | 66261007149       | 66623333448       | 66623333542       |
|             | 90       | 4         |                     | 66623333421       | 66623333509       | 66623333449       | 66623333541       |
|             | 118      | 4         |                     | 66623333422       | 66623333510       | 66623333450       | 66261047121       |
|             | 132      | 4         |                     | 66254490470       | 66261055322       | 66623333451       | 66623333543       |
| 3-1/2       | 15-1/2   | 8         | 66623333595         | 66261055324       | 66254444576       | 66623333452       | 66261055326       |
| 4           | 24       | 8         | 66623333596         | 66254495931       | 66261031667       | 66623333453       | 66623333545       |
|             | 36       | 6         |                     | 66623333423       | 66261002321       | 66623333454       | 66623333546       |
|             | 132      | 2         |                     | 66261009056       | 66261006898       | 66623333455       | 66623333547       |
|             | 168      | 2         |                     | 63642576650       | 66261009174       | 66623333456       | 66623333548       |
|             | 48       | 4         |                     | 66261055330       | 66261055331       | 66623333457       | 66261055332       |

If you do not see the Rapid Prep belts you need in our stock offering, call your local Norton distributor to check for made-to-order availability.



## CATEGORY DEFINITION

Non-woven surface finishing flap wheels are an ideal choice for a wide variety of blending 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.

There are two types of non woven flap wheels: non-woven only abrasive flaps where finishing is the primary application, and interleaf with alternating cloth and non-woven abrasive flaps (less conformable, more aggressive) for stock removal and finishing. Interleaf flap wheels must always be run in the direction indicated by the arrow.

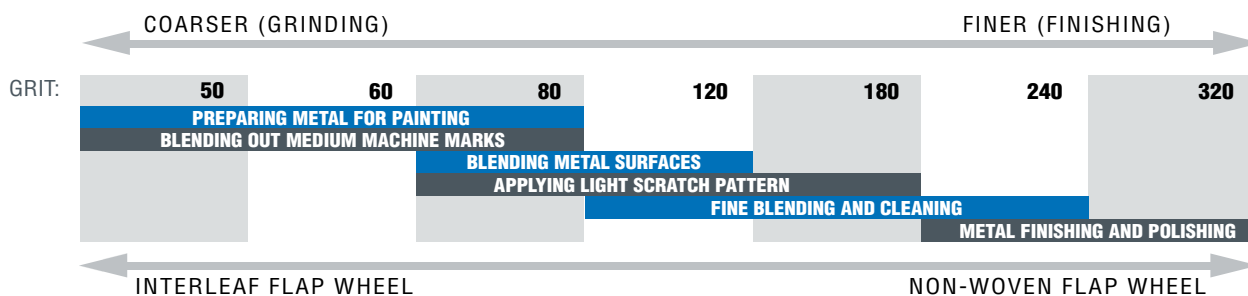
**APPLICATIONS:** Used for a wide range of metal fabrication and welding applications including blending, deburring, cleaning, finishing, and polishing

**SIZE RANGE:** Flap wheels with mounted steel shanks: 2" – 4" diameter  
Flap wheels with arbor holes: 3" – 12" diameter

**GRIT RANGE:** 60 – 320

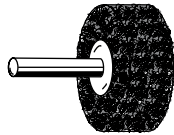
**ABRASIVE GRAIN:** Aluminum Oxide, Silicon Carbide

## APPLICATION/GRIT RECOMMENDATION GUIDE





1/4" Mounted Steel Shanks



AVAILABILITY



TIER:  
BRAND:  
TRADENAME:

|                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|
| <b>BETTER</b>    | <b>GOOD</b>      | <b>BETTER</b>    | <b>GOOD</b>      |
| Norton           | Merit            | Norton           | Merit            |
| <b>INTERLEAF</b> | <b>INTERLEAF</b> | <b>NON-WOVEN</b> | <b>NON-WOVEN</b> |

| SIZE (D x W x SK.) | ABRASIVE | CA GRIT | NON-WOVEN GRIT | MAX. RPM | STD. PKG. | PART #       | PART #      | PART #       | PART #       |
|--------------------|----------|---------|----------------|----------|-----------|--------------|-------------|--------------|--------------|
| 2 x 1 x 1/4        | A/O      | 60      | Coarse         | 12,000   | 10        | 66261051720* | 08834138122 |              |              |
|                    | A/O      | 80      | Medium         | 12,000   | 10        | 66261051721* | 08834138123 |              |              |
|                    | A/O      | 120     | Medium         | 12,000   | 10        | 66261051722  | 08834144457 | 66261051716* | 66261189992* |
|                    | A/O      | 180     | Fine           | 12,000   | 10        |              | 08834144458 |              |              |
|                    | A/O      | 320     | Very Fine      | 12,000   | 10        |              | 08834144459 | 66261051717* | 69957399202  |
| 2 x 1-1/2 x 1/4    | A/O      | 60      | Coarse         | 12,000   | 10        |              | 08834138124 |              |              |
|                    | A/O      | 80      | Medium         | 12,000   | 10        |              | 08834138125 |              |              |
|                    | A/O      | 120     | Medium         | 12,000   | 10        |              | 08834138126 |              |              |
|                    | A/O      | 180     | Fine           | 12,000   | 10        |              | 08834138127 |              |              |
|                    | A/O      | 320     | Very Fine      | 12,000   | 10        |              | 08834138128 |              |              |
| 3 x 1 x 1/4        | A/O      | 60      | Coarse         | 12,000   | 10        |              | 08834138129 |              |              |
|                    | A/O      | 80      | Medium         | 12,000   | 10        |              | 08834138130 |              |              |
|                    | A/O      | 120     | Medium         | 12,000   | 10        | 66261051725* | 08834138118 | 66261051718* | 08834131921  |
|                    | A/O      | 180     | Fine           | 12,000   | 10        |              | 08834138120 | 66261051719* |              |
|                    | A/O      | 320     | Very Fine      | 12,000   | 10        |              | 08834138119 |              |              |
| 3 x 1-3/4 x 1/4    | A/O      | -       | Medium         | 12,000   | 10        |              |             |              | 66261026075  |
| 3 x 2 x 1/4        | A/O      | 60      | Grit           | 8,000    | 10        |              | 08834131338 |              |              |
|                    | A/O      | 80      | Coarse         | 8,000    | 10        |              | 08834138116 |              |              |
|                    | A/O      | 120     | Medium         | 8,000    | 10        |              | 08834144460 | 66261058474  |              |
|                    | A/O      | 180     | Medium         | 8,000    | 10        |              | 08834144461 |              |              |
| 4 x 2 x 1/4        | A/O      | 80      | Coarse         | 12,000   | 10        |              | 08834121115 |              |              |
|                    | A/O      | 120     | Medium         | 12,000   | 10        |              | 08834120458 |              |              |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.  
\*STANDARD PACKAGE QUANTITY = 20

Refer to Non-Woven Convolute Wheel section for Flap Wheel Reducing Bushings.



**BEAR-TEX**



### Arbor Hole Mounts

#### AVAILABILITY



TIER:

BRAND:

TRADENAME:

| SIZE<br>(D x W x SK.) | ABRASIVE | CA<br>GRIT | NON-WOVEN<br>GRIT | MAX.<br>RPM | STD.<br>PKG. | PART #      | PART #      | PART #      | PART #      |
|-----------------------|----------|------------|-------------------|-------------|--------------|-------------|-------------|-------------|-------------|
| 3 x 2 x 3/8           | A/O      | 60         | Coarse            | 12,000      | 10           |             | 08834139000 |             |             |
|                       | A/O      | 120        | Medium            | 12,000      | 10           |             | 08834139001 |             |             |
|                       | A/O      | 240        | Very Fine         | 12,000      | 10           |             | 08834139028 |             |             |
|                       | A/O      | 320        | Very Fine         | 12,000      | 10           |             | 08834139024 |             |             |
| 4 x 2 x 5/8           | A/O      | 60         | Coarse            | 12,000      | 10           |             | 08834126025 |             |             |
|                       | A/O      | 240        | Very Fine         | 12,000      | 10           |             | 08834126014 |             |             |
|                       | A/O      | 320        | Very Fine         | 12,000      | 10           |             | 08834126027 |             |             |
| 6 x 1 x 1             | A/O      | 120        | Medium            | 6,000       | 10           |             | 08834126006 |             |             |
|                       | A/O      | 240        | Very Fine         | 6,000       | 10           |             | 08834126030 |             |             |
| 6 x 1 x 2             | A/O      | 80         | Medium            | 3,000       | 4            | 66261004418 |             |             |             |
|                       | A/O      | -          | Medium            | 3,000       | 4            |             |             | 66261058456 |             |
|                       | A/O      | 180        | Fine              | 3,000       | 4            | 66261005387 |             | 66261058487 | 05539562635 |
|                       | S/C      | -          | Fine              | 3,000       | 4            |             |             | 66261058451 |             |
| 6 x 2 x 1             | A/O      | -          | Very Fine         | 3,000       | 4            |             |             | 66261058450 | 05539512658 |
|                       | A/O      | 80         | Medium            | 6,000       | 10           |             | 08834126009 |             |             |
|                       | A/O      | 180        | Fine              | 6,000       | 10           |             | 08834126018 |             |             |
| 6 x 3 x 1             | A/O      | 80         | Medium            | 6,000       | 6            |             | 08834126055 |             |             |
| 8 x 1 x 3             | A/O      | 120        | Medium            | 2,500       | 3            | 66261010711 |             |             |             |
|                       | -        | -          | Fine              | 2,500       | 3            |             |             | 66261058491 |             |
| 8 x 2 x 1             | A/O      | 120        | Medium            | 4,500       | 6            |             | 08834126043 |             |             |
|                       | A/O      | 180        | Fine              | 4,500       | 6            |             | 08834126044 |             |             |
| 8 x 2 x 3             | A/O      | -          | Medium            | 2,500       | 2            |             |             | 66261000889 |             |
|                       | A/O      | -          | Medium            | 2,500       | 2            |             |             |             | 05539512677 |
|                       | A/O      | -          | Fine              | 2,500       | 2            |             |             | 66261058493 |             |
| 12 x 1 x 5            | A/O      | 80         | Medium            | 1,900       | 2            | 66261010712 |             |             |             |
| 12 x 2 x 5            | A/O      | -          | Medium            | 1,900       | 1            |             |             |             | 05539528945 |
|                       | A/O      | -          | High Strength     | 1,900       | 1            |             |             | 66261005070 | 05539562637 |

SOME MERIT PART NUMBERS ARE NON-STOCK. ASK YOUR NORTON/MERIT REPRESENTATIVE FOR STOCK/MTO STATUS.



## Introduction

Most Norton Bear-Text products consist of a non-woven web of nylon fibers impregnated throughout with abrasive grain and bonded with synthetic resins. This design produces a cushioned, three-dimensional material that is extremely pliable and long lasting. The uniform dispersion of abrasive throughout the web provides a continuous supply of new grain as the old grain and fibers wear away during use.

Norton Bear-Text products, with their open mesh construction, are waterproof, washable, resilient, conformable, non-loading, non-conductive, non-metallic and non-rusting. Norton Bear-Text wheels are easily pre-formed to conform to special-shaped work pieces.

Since Norton Bear-Text products are designed for use where stock removal is not required, they begin where other abrasives leave off. The relatively non-aggressive nature of nylon and grit inherent in the Norton Bear-Text material makes it ideal as a finishing tool. While 60 to 80 grit are considered intermediate sizes in other products, they are considered coarse for Norton Bear-Text items.

Used wet or dry, Norton Bear-Text products offer the following advantages: controlled cut (with little or no stock removal) allows for increased productivity, consistent, uniform finish, ability to automate operations, minimized smearing and reduced operator training. These advantages make Norton Bear-Text products an excellent alternative to bristle brushes, set-up wheels, greaseless compounds and steel wool.

## Abrasives

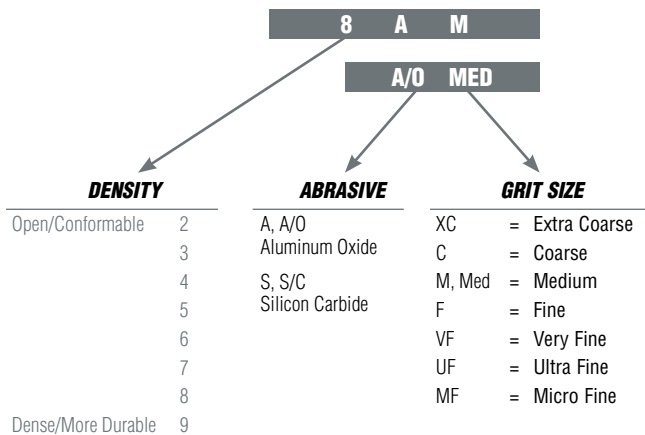
Silicon carbide and aluminum oxide abrasives are offered. Silicon carbide is sharper, cuts faster, and produces finer scratch patterns on most surfaces. Aluminum oxide is more durable and tends to last longer. It causes less discoloration on aluminum, and is more aggressive on certain applications such as hardened steel parts. Norton Bear-Text hand pads are also available in a non-abrasive material.

## Grits

Grit refers to the size of the abrasive grain impregnated into the nylon web. The coarser the grit, the more aggressive the cut, the rougher the finish. The finer the grit, the less aggressive the cut and the resulting surface finish will be finer, if all other conditions are equal.

| GRIT DESIGNATIONS | GRIT SIZE  |
|-------------------|------------|
| Extra Coarse (XC) | 24 – 36    |
| Coarse (C)        | 50 – 80    |
| Medium (M)        | 100 – 150  |
| Fine (F)          | 180 – 220  |
| Very Fine (VF)    | 240 – 360  |
| Super Fine (SF)   | 400        |
| Ultra Fine (UF)   | 600        |
| Micro Fine (MF)   | 800 – 1200 |

## Product Identification System



## Densities

The product "density" refers to the number of fibers which have been compressed into the nylon web material. Under identical conditions, harder density wheels cut faster, last longer and produce finer finishes than softer density wheels. Softer density wheels offer greater conformability and have less tendency to load or burn the work piece.

## Fiber Sizing

Several nylon fiber sizes are used in the manufacture of Norton Bear-Text web material because the fiber size is a significant factor in the coating process, as each produces distinct cutting characteristics.

## Bonding Agents

Waterproof resins are used in the manufacture of Norton Bear-Text web material to bond the nylon fibers together and to firmly anchor the abrasive grains throughout the web.

## Conventional Finishing Methods Versus Norton Bear-Text Products

The following chart outlines the advantages achievable when using Norton Bear-Text products as alternatives to other cleaning, blending, deburring and finishing methods.

Norton Bear-Text products are listed in the sequence of normal preference for the application stated. However, because of the numerous variables, only testing can ensure selection of the most cost-effective product.

| CONVENTIONAL FINISHING METHOD | KEY APPLICATION        | BEAR-TEX PRODUCT AS AN ALTERNATIVE                             | ADVANTAGES OF BEAR-TEX PRODUCT VERSUS ALTERNATE FINISHING METHODS   |
|-------------------------------|------------------------|--|---|
| Bristle Brushes               | Cleaning               | Clean & Finish Wheels<br>Metal Finishing Wheels<br>Flap Wheels | Superior cleaning performance<br>Higher productivity<br>No slurry or compound required<br>More consistent finish<br>Eliminate compound dust |
| Greaseless Compounds          | Finishing              | Flap Wheels<br>Convolute Wheels<br>Unified Wheels              | Reduced maintenance<br>No compound, instant set-up<br>Elimination of compound dust<br>More uniform finish<br>More consistent work rate      |
| Set-up Wheels                 | Blending/<br>Deburring | Convolute Wheels<br>Unified Wheels                             | No break-in time required<br>More consistent cut<br>More uniform finish<br>Maintain geometry<br>Safer, no flying wheel pieces               |
| Steel Wool                    | Cleaning               | Rolls<br>Discs<br>Hand Pads                                    | Faster, longer life<br>Less pressure required<br>Non-rusting, cleaner<br>Safer, no splinters  |

## Getting the Most Out of Norton Bear-Text Wheels

Maximum wheel life and best surface conditioning results can be achieved by closely adhering to the following recommendations.

### 1) Wheel Direction

Convolute wheels and interleaf flap wheels must always run in the direction indicated by the arrow printed on the side of each wheel. Conventional flap wheels and unified wheels can be run in either direction.

### 2) Wheel Speed

Wheel speed is an important factor in that it affects product finish, rate of cut, and wheel life. In general, fast wheel speeds give harder action and a finer finish; whereas, slower speeds give a softer action and a coarser finish for the same wheel density.

The following are recommended operating speeds for the most common applications.

| APPLICATION                                  | RECOMMENDED SPEED |
|--|-------------------|
| Cleaning and upgrading of surface conditions | 2200 to 6000 SFPM |
| Cut-buffing on metal surfaces                | 6500 to 8000 SFPM |
| Deburring                                    | 5500 to 8000 SFPM |
| Decorative finishing                         | 500 to 3000 SFPM  |
| Imparting decorative finishes                | 900 to 3000 SFPM  |
| Oxide removal                                | 3500 to 6500 SFPM |

TESTING MIGHT SHOW THAT A SLOWER OR FASTER SPEED IS DESIRABLE FOR SPECIFIC OPERATIONS. NEVER EXCEED THE MAXIMUM RPM RATING OF THE WHEEL.

### 3) Pressure

Light to medium pressure is recommended for most operations. Flap wheels require much lighter pressure to perform properly than other Norton Bear-Text wheels; unified wheels can withstand much higher pressures in order to perform deburring jobs. In all cases, avoid excessive pressure which may result in wheel deformation and damage to the work surface.

### 4) Feed Speed

Low feed speed reduces the number of workpieces completed, while producing a shorter scratch pattern. Slow feed speed allows for longer dwell time and permits more work to be done on each piece. Conversely, a fast feed speed increases the number of workpieces completed, while producing a longer scratch pattern.

### 5) Oscillation

Oscillation may be used to break up scratch lines and produce a more uniform finish. Additionally, an increase in cut may be experienced. A general starting point for oscillation is 3/8" amplitude at 200 cycles per minute.

### 6) Lubricants

Lubricants, such as water, water soluble oil, and straight oil, will decrease the heat generated while running, improve the luster, and reduce the surface finish. The higher the viscosity of the lubricant, the lower the surface finish (RMS value) produced.

## Factors in Wheel Choice

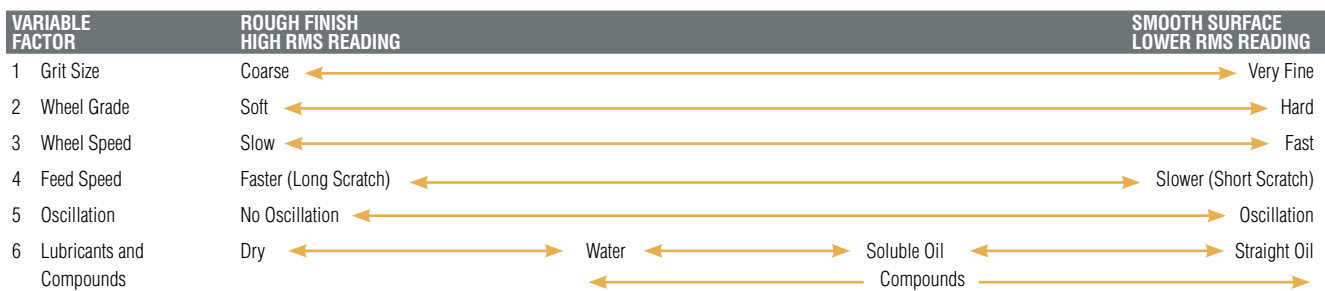
This chart provides a relative comparison of other Norton Bear-Text wheel variables. It can serve as a useful guide in choosing the most suitable product for a given application. However, as many other factors affect wheel performance, this chart can only be general in nature. The most cost-effective results can always be obtained by wheel testing on the application.



\* ON STEEL SURFACES, SILICON CARBIDE WHEELS WILL PRODUCE A BRIGHTER FINISH THAN ALUMINUM OXIDE WHEELS.

## Surface Finish Variables

Changes in any one of many factors can affect the surface finish on the work piece. This chart shows the effect on surface finish by changes in single factors of product specifications. Arrows have been used to signify the trend direction. The arrow length does not signify that the effect of each factor is equal.







## complementing our **ABRASIVES PORTFOLIO**

To help you finish the job, Norton accessory items let you one-stop shop. Our goal is to get it finished faster, easier and with less hassle of multiple vendors and invoices.



### **Get Wired**

Broad wire brush offering includes the basic shapes and configurations you'll need for heavy - to light-duty brushing applications.



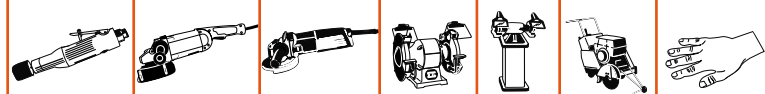
### **The Right Dose of Fiber**

Trap dirt, grime or liquids with microfiber cloths. Whether you are cleaning, dry tacking, or polishing, these cloths make quick work, trapping all unwanted particles.



### **Unmasking the Mystery**

Masking tape choices: Professional High Heat for maximum performance and clean release on multiple surfaces; Blue Core 14-Day Tape for easy on/off. and Pro Contractor Grade for general purpose.



### CATEGORY DEFINITION

Our Norton wire brush broad offering includes all the basic shapes and configurations: cups, saucer cups, wheel end brushes and hand brushes. Informative, attractive packaging clearly explains dimensions, structure, safety and machine usage. All brushes are individually clamshell packaged unless otherwise noted. When using wire brushes, be sure to comply with ANSI B165 "Power-Driven Brushing Tools: Safety Requirement for the Design, Care and Use." and safety documents on [www.nortonabrasives.com](http://www.nortonabrasives.com) website.

- APPLICATIONS:** Cleaning rust, scale and dirt; light deburring; edge blending; roughening for adhesion; finishing for appearance; finish preparation prior to plating or painting
- SHAPES:** Cup, saucer cup, wheel, end brush, hand brush
- WIRE DESIGN:** Twist knot, crimped, and stringer bead
- OTHER:** Color-coded for easy identification: STAINLESS STEEL/METAL



### FEATURED PRODUCTS AND AVAILABILITY



#### BETTER TWIST KNOT WIRE SAUCER CUP BRUSHES

IDEAL FOR CLEANING CORNERS, RECESSES, AND OTHER HARD-TO-REACH AREAS – FOR STEEL/STAINLESS

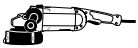
##### FEATURES

- Twist knot style

##### BENEFITS

- For heavy-duty cleaning

| DIAMETER x WIRE THICKNESS x MOUNT | MAX. RPM | STD. PKG. | APPLICATION | PART #      |
|-----------------------------------|----------|-----------|-------------|-------------|
| 4 x .020 x 5/8-11                 | 15,000   | 5         | Carbon      | 66252833483 |
| 5 x .020 x 5/8-11                 | 12,500   | 10        | Carbon      | 66252835585 |
| 5 x .020 x 5/8-11                 | 12,500   | 10        | Stainless   | 66252835586 |



#### BETTER HIGH PERFORMANCE (HP) CABLE CRIMPED CUP BRUSHES

FOR LIGHT- TO MEDIUM-DUTY BRUSHING APPLICATIONS ON FLAT OR IRREGULAR SURFACES, AND BEVEL BUFFING – FOR STEEL

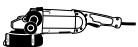
##### FEATURES

- 12 wires of .009" brass-coated steel are bundled together into a group, then crimped
- Cable crimped wire breaks down in smaller pieces than standard crimped brushes

##### BENEFITS

- Creates a 50% longer lasting brush compared to standard crimped brushes; better flexibility on irregular surfaces
- Safer wire to use
- Protective guard

| DIAMETER x WIRE THICKNESS x MOUNT                     | MAX. RPM | STD. PKG. | APPLICATION | PART #      |
|---|----------|-----------|-------------|-------------|
| <b>Crimped Cup with Protective Guard – Single Row</b> |          |           |             |             |
| 3 x (12 x .009) x 5/8-11                              | 15,000   | 5         | Carbon      | 66252833493 |
| 4 x (12 x .009) x 5/8-11                              | 9,000    | 5         | Carbon      | 66252833494 |
| 4 x .020 x 5/8-11                                     | 9,000    | 5         | Stainless   | 66252843844 |



#### BETTER CRIMPED WIRE CUP BRUSHES

FOR LIGHT- TO MEDIUM-DUTY BRUSHING APPLICATIONS ON FLAT OR IRREGULAR SURFACES, AND BEVEL BUFFING – FOR STEEL

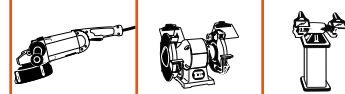
##### FEATURES

- Highly flexible heavy wire fill

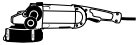
##### BENEFITS

- Fast cutting

| DIAMETER x WIRE THICKNESS x MOUNT | MAX. RPM | STD. PKG. | APPLICATION | PART #      |
|-----------------------------------|----------|-----------|-------------|-------------|
| 3 x .014 x 5/8-11                 | 15,000   | 5         | Carbon      | 69936653341 |
| 3 x .014 x 5/8-11                 | 20,000   | 5         | Stainless   | 66252836362 |
| 4 x .014 x 5/8-11                 | 9,000    | 5         | Carbon      | 69936653347 |
| 4 x .020 x 5/8-11                 | 9,000    | 5         | Stainless   | 66252843844 |
| 6 x .014 x 5/8-11                 | 6,000    | 5         | Carbon      | 69936653348 |
| 6 x .020 x 5/8-11                 | 6,000    | 1         | Carbon      | 69936653349 |



## FEATURED PRODUCTS AND AVAILABILITY



### BETTER TWIST KNOT WIRE CUP BRUSHES

HIGH IMPACT CUTTING AND CLEANING ON MORE DEMANDING APPLICATIONS – FOR STEEL/STAINLESS

#### FEATURES

- Rigid structure
- Available with or without plastic guard
- Protective guard opens up into a shield
- Single row construction
- Double row construction

#### BENEFITS

- High impact cutting and cleaning on more demanding applications
- Application-specific
- Prevents wire, dust and/or projection from reaching the end-user
- Provides for a friendly handling of the brush, preventing potential pricking caused by the wire ends
- Limits flaring of the brush on corners and angles
- More aggressive; provides twice the cutting points of a single row cup brush for heavy-duty action in very severe applications

| DIAMETER x WIRE THICKNESS x MOUNT                     | MAX. RPM | STD. PKG. | APPLICATION | PART #       |
|---|----------|-----------|-------------|--------------|
| <b>Knotted Cup With Protective Guard – Single Row</b> |          |           |             |              |
| 2-3/4 x .020 x 5/8-11                                 | 15,000   | 5         | Carbon      | 66252833492  |
| 4 x .020 x 5/8-11                                     | 9,000    | 5         | Carbon      | 66252833496  |
| 5 x .020 x 5/8-11                                     | 6,500    | 5         | Carbon      | 66252833497  |
| <b>Knotted Cup – Single Row</b>                       |          |           |             |              |
| 2-3/4 x .020 x 5/8-11                                 | 15,000   | 5         | Carbon      | 69936653336  |
| 2-3/4 x .020 x 5/8-11                                 | 15,000   | 5         | Stainless   | 69936653340  |
| 4 x .020 x 5/8-11                                     | 9,000    | 5         | Carbon      | 69936653345  |
| 4 x .020 x 5/8-11 with bridle                         | 9,000    | 5         | Carbon      | 662528333947 |
| 6 x .020 x 5/8-11                                     | 6,000    | 5         | Carbon      | 69936605965  |
| 6 x .035 x 5/8-11                                     | 6,000    | 5         | Carbon      | 69936602003  |
| <b>Knotted Cup – Double Row</b>                       |          |           |             |              |
| 6 x .020 x 5/8-11                                     | 6,000    | 5         | Carbon      | 69936653346  |

### BETTER CRIMPED WIRE WHEEL BRUSHES

EXCELLENT PERFORMANCE FOR DEBURRING, REMOVING RUST, CORROSION AND DIRT – FOR STEEL

#### FEATURES

- Brushes may be used individually or stacked on a shaft

#### BENEFITS

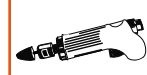
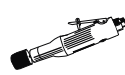
- Single-section, narrow-faced brushes are ideal for general-purpose brushing of uneven or difficult-to-reach surfaces
- Single section, medium-faced brushes clean larger surface areas and have longer life

| DIAMETER x WIRE THICKNESS x HOLE SIZE | MAX. RPM | STD. PKG. | APPLICATION | PART #      |
|---------------------------------------|----------|-----------|-------------|-------------|
| <b>Crimped Narrow 3/4" Face</b>       |          |           |             |             |
| 6 x .014 x 1/2-2**                    | 6,500    | 5         | Carbon      | 69936653306 |
| <b>Crimped Medium 1" Face</b>         |          |           |             |             |
| 4-1/2 x .014 x 5/8-11                 | 13,000   | 6         | Carbon      | 66253370278 |
| 6 x .014 x 1/2-2**                    | 6,500    | 5         | Carbon      | 69936653324 |
| 8 x .014 x 1/2-2**                    | 4,500    | 5         | Carbon      | 69936653326 |

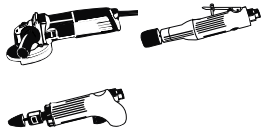
\*\* 7 BUSHING SIZES INCLUDED WITH EACH BRUSH (FIT 1/2" - 2")

**STAINLESS**

**STEEL/METAL**



### FEATURED PRODUCTS AND AVAILABILITY



#### BETTER STANDARD TWIST KNOT WIRE WHEEL BRUSHES

IDEAL FOR TOUGHER WELDING AND METAL FABRICATION APPLICATIONS (REMOVING WELD SCALE SPATTER, EXTRA-HEAVY RUST AND CORROSION, OR SURFACE ROUGHENING) – FOR STEEL/STAINLESS

#### FEATURES

- Twist knot wire design
- Pipeline: heavy-duty knot construction

#### BENEFITS

- Provides added rigidity for extra cutting and cleaning power
- Small diameter wheels are used for small- to medium-duty jobs requiring some flexibility and lighter brushing action
- Stiffer, longer-lasting knots for tougher applications / heavy build-up
- Longest life for brushing/cleaning joints and preparing expansion joints for filling and scaling

| DIAMETER x WIRE THICKNESS x MOUNT/HOLE | MAX. RPM | STD. PKG. | APPLICATION     | PART #      |
|--|----------|-----------|-----------------|-------------|
| 3 x .014 x 5/8-11                      | 20,000   | 5         | Stainless       | 66252836362 |
| 4-1/2 x .020 x 5/8-11                  | 20,000   | 5         | Carbon          | 69936606275 |
| 4 x .020 x 5/8-11                      | 20,000   | 5         | Carbon          | 66252838300 |
| 4-1/2 x .020 x 5/8-11                  | 20,000   | 6*        | Carbon Pipeline | 66252840466 |
| 4-1/2 x .020 x 5/8-11                  | 20,000   | 6*        | Carbon          | 69936653331 |
| 4-1/2 x .020 x 5/8-11                  | 20,000   | 5         | Stainless       | 69936653333 |
| 5 x .020 x 5/8-11                      | 12,500   | 5         | Carbon          | 66252833487 |
| 5 x .020 x 5/8-11                      | 12,500   | 5         | Stainless       | 66252833488 |
| 6 x .020 x 5/8-11                      | 12,500   | 5         | Carbon          | 69936653352 |
| 6 x .020 x 5/8-1/2                     | 12,500   | 5         | Carbon          | 69936653327 |

\*BULK PACKED ITEMS



#### BETTER STRINGER BEAD KNOT WIRE WHEEL BRUSHES

DELIVER HIGH-IMPACT CUTTING AND CLEANING FOR TOUGHEST APPLICATIONS – FOR STEEL/STAINLESS

#### FEATURES

- Stringer bead wire for hard-to-reach areas
- NEW! Heavy-Duty brushes
- Joint/Crack cleaning wire wheel brushes

#### BENEFITS

- Specially suited for groove and weld bead, corners, and t-connections
- 1/3 more welding points which provide 50% more resistance to side load pressure
- 6-7/8" brushes have 76 knots vs. standard 56 knot brushes, resulting in 40% more cleaning action and up to 2X life, with similar life for the smaller versions of the heavy-duty brushes
- Used for brushing joints, cleaning cracks in concrete and asphalt, and preparing expansion joints for filling and scaling
- Pipeline: longest life for brushing/cleaning joints and preparing expansion joints for filling and scaling

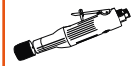
| DIAMETER x WIRE THICKNESS x MOUNT | MAX. RPM | STD. PKG. | APPLICATION        | PART #      |
|-----------------------------------|----------|-----------|--------------------|-------------|
| <b>For Right Angle Grinders</b>   |          |           |                    |             |
| 4 x .020 x 5/8-11                 | 20,000   | 5         | Carbon             | 69936606277 |
| 4 x .020 x 5/8-11                 | 20,000   | 6*        | Carbon             | 66252833489 |
| 4 x .020 x 5/8-11                 | 20,000   | 10*       | Carbon             | 66253370022 |
| 4 x .020 x 5/8-11                 | 20,000   | 6*        | Carbon Pipeline    | 66252840467 |
| 4 x .020 x 5/8-11                 | 20,000   | 5         | Stainless          | 69936606278 |
| 4 x .020 x 5/8-11                 | 20,000   | 6*        | Stainless Pipeline | 66252842233 |
| 4 x .020 x 5/8-11/M14-20          | 20,000   | 5         | Carbon             | 66252840889 |
| 4-1/2 x .020 x 5/8-11             | 20,000   | 6         | Carbon Heavy-Duty  | 66252844886 |
| 4-1/2 x .020 x 5/8-11             | 20,000   | 6*        | Carbon Pipeline    | 66252842299 |
| 5 x .020 x 5/8-11                 | 12,500   | 10*       | Carbon             | 66252833490 |
| 5 x .020 x 5/8-11                 | 12,500   | 10*       | Stainless          | 66252833491 |
| 6 x .020 x 5/8-11                 | 12,500   | 10*       | Carbon             | 69936653350 |
| 6 x .020 x 5/8-11                 | 12,500   | 10        | Carbon Heavy-Duty  | 66252844887 |
| 6 x .020 x 5/8-11                 | 12,500   | 10*       | Carbon Pipeline    | 66252840469 |
| 6 x .020 x 5/8-11                 | 12,500   | 10        | Stainless          | 69936653351 |
| 6-7/8 x .020 x 5/8-11             | 9,000    | 10*       | Carbon             | 69936653329 |
| 6-7/8 x .020 x 5/8-11             | 9,000    | 10*       | Carbon Heavy-Duty  | 66252843919 |
| 6-7/8 x .020 x 5/8-11             | 9,000    | 10*       | Carbon Pipeline    | 66252840468 |
| 9 x .020 x 5/8-11                 | 6,000    | 6         | Carbon             | 66252837993 |

#### For Walk-Behind Machines – Joint/Crack Cleaning Brushes

|                    |       |   |        |             |
|--------------------|-------|---|--------|-------------|
| 12 x .035 x 1 - DP | 4,500 | 2 | Carbon | 69936606280 |
|--------------------|-------|---|--------|-------------|

\*BULK PACKED ITEMS





## FEATURED PRODUCTS AND AVAILABILITY



### BETTER END BRUSHES

CLEAN AND DEBURR A RECESSED AREA OR THE INSIDE DIAMETER OF A TUBE OR PIPE – FOR STEEL/STAINLESS

#### FEATURES

- Twist knot wire end brushes
- Crimped wire end brushes

#### BENEFITS

- For more aggressive cutting
- For lighter brushing action and contoured surfaces



| DIAMETER x WIRE THICKNESS x MOUNT | MAX. RPM | STD. PKG. | APPLICATION | PART #      |
|-----------------------------------|----------|-----------|-------------|-------------|
| <b>Stem Mounted Knotted</b>       |          |           |             |             |
| 3/4 x .020 x 1/4 Shank            | 20,000   | 10*       | Carbon      | 69936653316 |
| 1 x .014 x 1/4 Shank              | 20,000   | 10*       | Carbon      | 69936606279 |
| 1 x .020 x 1/4 Shank              | 20,000   | 10*       | Carbon      | 69936653310 |
| <b>Stem Mounted Crimped</b>       |          |           |             |             |
| 3/4 x .006 x 1/4 Shank            | 20,000   | 10*       | Stainless   | 69936606145 |
| 3/4 x .014 x 1/4 Shank            | 20,000   | 10*       | Carbon      | 69936653317 |
| 1 x .020 x 1/4 Shank              | 20,000   | 10*       | Carbon      | 69936653309 |

\*BULK PACKED ITEMS



### BETTER HAND BRUSHES

FOR STEEL/STAINLESS

#### FEATURES

- Plastic handle scratch brush
- Long handle and shoe handle brushes

#### BENEFITS

- Ergonomic handle
- Crimped wire for longer life
- Wires are wrapped up and around the metal post so they never come out
- Curved face for hard-to-reach places
- Narrow brush allows access into tight areas and slots
- Steel scratch brushes are made with a high-carbon, brass-coated steel; stainless steel is made with a 304L stainless



| SIZE                             | STD. PKG. | APPLICATION | PART #      |
|----------------------------------|-----------|-------------|-------------|
| Scratch Brush 3 x 19 Long Handle | 12        | Carbon      | 66252833948 |
| Scratch Brush 3 x 19 Long Handle | 12        | Stainless   | 66252833950 |
| Scratch Brush 4 x 16 Shoe Handle | 12        | Carbon      | 66252833949 |
| Scratch Brush 4 x 16 Shoe Handle | 12        | Stainless   | 66252833951 |
| Scratch Brush Plastic Handle     | 24        | Carbon      | 66252833954 |
| Scratch Brush Plastic Handle     | 24        | Stainless   | 66252833953 |
| Inspection Brush 3 x 7           | 36        | Stainless   | 66252833952 |

STAINLESS

STEEL/METAL



**CATEGORY DEFINITION**

A micro-fiber is a single fiber with a thickness less than a human hair that has been split 16 times and woven into various products. The surface area of a micro-fiber product is increased over 15 times, creating millions of spaces between the fibers which trap dirt, grime or liquids, making this product one of the most absorbent materials. These cloths save you labor, time, and additional costs of multiple cleaning products and chemicals.

**APPLICATIONS:** Cleaning Cloth: Used for general-purpose wet or dry applications. Works best when sprayed with a light water mist to deep clean.

Dry Tack Cloth: This woven terry cloth has a low profile to resist snagging and help pick up embedded debris.

Polishing Cloth: Streak-free cleaning of mirrors, optical lens and highly-polished items.

**OTHER:** Color-coded for easy identification  
 Cleaning Cloth: Blue  
 Dry Tack Cloth: Red  
 Polishing Cloth: Yellow



| DESCRIPTION                        | COLOR  | STD. PKG. | PART #      |
|------------------------------------|--------|-----------|-------------|
| <b>Micro-Fiber Cleaning Cloth</b>  |        |           |             |
| 16" x 16"                          | Blue   | 20        | 07660705300 |
| <b>Micro-Fiber Dry Tack Cloth</b>  |        |           |             |
| 16" x 16"                          | Red    | 20        | 07660704025 |
| <b>Micro-Fiber Polishing Cloth</b> |        |           |             |
| 16" x 16"                          | Yellow | 20        | 07660705301 |

**TECHtip**

- Use these micro-fiber cloths dry for general cleaning
- To remove spills, stains or grime, lightly dampen the cloth for best results
- All micro-fiber cloths can be used with or without chemicals
- Micro-fiber cloths can be washed up to 300+ times without losing cleaning and trapping abilities
- Clean often for best results

It is the user's responsibility to refer to and comply with all safety regulations.





**Norton Premium Tan High Heat Tape**

- Designed for maximum performance and clean release on multiple surfaces
- These high quality masking tapes are ideal for conditions that include exposure to the high heat curing temperatures found in automobile, truck, bus and other transportation assembly operations, as well as aerospace manufacturing applications
- Can be baked up to 230°F and be exposed to wet sanding without adhesive transfer
- Conforms easily to contours and irregular surfaces
- No bleed-through or flaking upon removal
- Available in bulk, accordion-wrapped for protection and work site stocking

| SIZE (W x L)                             | STD. PKG. | PART #      |
|--|-----------|-------------|
| <b>Norton Premium Tan High Heat Tape</b> |           |             |
| 18mm x 54.8m (3/4" x 60 yards)           | 48        | 63642506183 |
| 36mm x 54.8m (1-1/2" x 60 yards)         | 24        | 63642506184 |
| 48mm x 54.8m (2" x 60 yards)             | 24        | 63642506185 |

PACKED IN SLEEVES, WITH 4 SLEEVES TO A CASE



**Norton Pro Contractor Grade Tape**

- A general-purpose masking tape that offers both economy and versatility for a variety of materials and applications
- Norton Pro Contractor Grade masking tape provides a clean release up to 3 days
- Use for general paint masking, hanging protective plastic, holding drop cloths in place and other general-purpose masking, bundling, and sealing jobs where the tape will be removed when the job is complete
- Not intended for critical paint applications
- Limit exposure to UV light for extended periods
- Extended exposure to UV light could result in difficult removal from the surface

| SIZE (W x L)                            | STD. PKG. | PART #      |
|---|-----------|-------------|
| <b>Norton Pro Contractor Grade Tape</b> |           |             |
| 18mm x 54.8m (3/4" x 60 yards)          | 48        | 07660721944 |
| 36mm x 54.8m (1-1/2" x 60 yards)        | 24        | 07660721946 |
| 48mm x 54.8m (2" x 60 yards)            | 24        | 07660721947 |

BULK PACKED AS INDIVIDUAL ROLLS



**Norton Blue Core 14-Day Tape**

- Our premium paint masking tape has a specially formulated adhesive system that provides optimum low- to medium-tack adhesion and clean removal from a variety of surfaces, for up to 14 days
- Norton Blue Core masking tape can be used indoors or out
- The crepe paper backing is designed to enable easy unrolling and to minimize slivering
- It delivers very sharp, clean edges on smooth- to moderately-textured surfaces

| SIZE (W x L)                        | STD. PKG. | PART #      |
|-------------------------------------|-----------|-------------|
| <b>Norton Blue Core 14 Day Tape</b> |           |             |
| 18mm x 54.8m (3/4" x 60 yards)      | 48        | 07660721952 |
| 24mm x 54.8m (1" x 60 yards)        | 36        | 07660721953 |
| 36mm x 54.8m (1-1/2" x 60 yards)    | 24        | 07660721954 |
| 48mm x 54.8m (2" x 60 yards)        | 24        | 07660721955 |

BULK PACKED AS INDIVIDUAL ROLLS

## Safety Icons

Watch for and obey these safety icons.



**WARNING**

This warning icon appears on our products and packaging. It is intended to draw your attention to the specific safety warning practices outlined after it.



**SPEEDS**



**FACE PROTECTION**



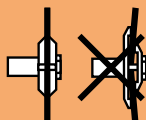
**WHEEL GUARD**



**SAFETY GLOVES**



**HEARING PROTECTION**



**FLANGES**



**SAFETY GUIDES**



**DUST PROTECTION**

## Safe Operating Practices

Safe operating practices must be part of every grinding wheel user's operation. The greatest efficiency and lowest overall abrasive cost can be realized only if proven care and use techniques become standard practice.

- Be sure to read any safety material/guidelines provided with the abrasive product.
- Always check the wheel for cracks or damage before use.
- Always properly maintain your machine; especially governors on pneumatic machines and linkage on floorstand machines.
- Never use the incorrect air, hydraulic or electric power supply.
- Never mount grinding wheels directly on electric motors.
- Never mount grinding wheels on the wrong size machine for the grinding wheel.
- Before mounting the wheel, use a tachometer to measure the spindle speed.
- Ensure the mounting flanges, backplate or adapter supplied by the machine manufacturer are used and kept in good condition. ANSI Safety Requirement B7.1 provides wheel mounting requirements. Check mounting flanges for equal and correct diameter and use blotters when supplied.
- Always mount, true and dress the wheel in conformance with the guidelines published in the ANSI Safety Requirements B7.1.
- Ensure the correct wheel guard is in place before starting the wheel. Allow the wheel to come up to full operating speed before starting to grind for a minimum of one minute, and stand out of the plane of rotation.
- NEVER use a high speed air sander as a portable grinder.
- NEVER use grinding wheel with a rated speed less than that of the grinder.
- NEVER exceed the maximum operating speed marked on the wheel being used. The following formula may be used to calculate wheel speed:  

$$SFPM = \text{Spindle Speed in RPM} \times \text{Wheel Dia. in inches} \times .262$$
- Avoid dropping or bumping the wheel.
- When not using the wheel, store the wheel in its original packing materials. This protects the wheel from chips and cracking, as well as provides easy identification of the wheel.

For more information on product safety, ask your Norton distributor for these publications:

- "Primer on Grinding Wheel Safety" (form 474) (available on [www.nortonabrasives.com](http://www.nortonabrasives.com))
- Portable Grinding Safety (form 1406)
- ANSI B7.1 "Safety Requirements for the Use, Care and Protection of Abrasive Wheels"
- ANSI B7.7 "Safety Requirements for Abrading Materials with Coated Abrasive Systems"
- OSHA and literature provided by the grinding wheel and machine manufacturer
- Material Safety Data Sheets (available on [www.nortonabrasives.com](http://www.nortonabrasives.com))
- Other applicable regulations
- Or contact the Saint-Gobain Product Safety Department at telephone 508-795-2317, fax 508-795-5120, or your Norton representative



### A DEADLY EQUATION

**Pistol Grip Air Sander + Grinding Wheel = Certain Injury!**

- Never use a high speed air sander as a portable grinder
- Use only sanding discs specifically designed for sanders
- Because the speed of these sanders far exceeds the maximum rated speeds for grinding wheels, a potentially lethal wheel breakage may occur

## Breakages/Personal Injury

In the event of on-machine breakage of Norton abrasive products, call your local Norton distributor immediately. Whether involving personal injury or not, the abrasive user should leave the equipment and other evidence undisturbed until a Norton sales representative has been notified and conducts an investigation. Prompt action on the part of abrasive users, distributor, and Norton sales personnel is important to ensure swift determination of the breakage cause and to guard against recurrence.



Conversion Table – Wheel Speeds

REVOLUTIONS PER MINUTE FOR VARIOUS DIAMETERS OF GRINDING WHEELS TO GIVE SURFACE SPEED IN FEET PER MINUTE AS INDICATED  
(FOR WHEEL MARKING PURPOSES THE CALCULATED RPM FIGURES LISTED BELOW ARE ROUNDED OFF TO THE NEXT 5)

| Diameter of Wheel in Inches | Surface Speed in Feet Per Minute (SFPM) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-----------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                             | 4,000                                   | 4,500  | 5,000  | 5,500  | 6,000  | 6,500  | 7,000  | 7,500  | 8,000  | 8,500  | 9,000  | 9,500  | 10,000 | 12,000 | 12,500 | 14,200 | 16,000 | 16,500 | 17,000 | 19,685 | 20,000 |
| 1                           | 15,279                                  | 17,189 | 19,098 | 21,008 | 22,918 | 24,828 | 26,737 | 28,647 | 30,558 | 32,467 | 34,377 | 36,287 | 38,196 | 45,836 | 47,745 | 54,240 | 61,116 | 63,025 | 64,935 | 75,190 | 76,395 |
| 2                           | 7,639                                   | 8,594  | 9,549  | 10,504 | 11,459 | 12,414 | 13,368 | 14,323 | 15,278 | 16,233 | 17,188 | 18,143 | 19,098 | 22,918 | 23,873 | 27,120 | 30,558 | 31,510 | 32,465 | 37,595 | 38,195 |
| 3                           | 5,093                                   | 5,729  | 6,366  | 7,003  | 7,639  | 8,276  | 8,913  | 9,549  | 10,186 | 10,822 | 11,459 | 12,096 | 12,732 | 15,278 | 15,915 | 18,080 | 20,372 | 21,010 | 21,645 | 25,065 | 25,465 |
| 4                           | 3,820                                   | 4,297  | 4,775  | 5,252  | 5,729  | 6,207  | 6,685  | 7,162  | 7,640  | 8,116  | 8,595  | 9,072  | 9,549  | 11,459 | 11,940 | 13,560 | 15,278 | 15,755 | 16,235 | 18,800 | 19,100 |
| 5                           | 3,056                                   | 3,438  | 3,820  | 4,202  | 4,584  | 4,966  | 5,348  | 5,730  | 6,112  | 6,494  | 6,876  | 7,258  | 7,640  | 9,168  | 9,550  | 10,850 | 12,224 | 12,605 | 12,985 | 15,040 | 15,280 |
| 6                           | 2,546                                   | 2,865  | 3,183  | 3,501  | 3,820  | 4,138  | 4,456  | 4,775  | 5,092  | 5,411  | 5,729  | 6,048  | 6,366  | 7,639  | 7,960  | 9,040  | 10,186 | 10,505 | 10,820 | 12,530 | 12,730 |
| 7                           | 2,183                                   | 2,455  | 2,728  | 3,001  | 3,274  | 3,547  | 3,820  | 4,092  | 4,366  | 4,638  | 4,911  | 5,183  | 5,456  | 6,548  | 6,820  | 7,750  | 8,732  | 9,005  | 9,275  | 10,740 | 10,915 |
| 8                           | 1,910                                   | 2,148  | 2,387  | 2,626  | 2,865  | 3,103  | 3,342  | 3,580  | 3,820  | 4,058  | 4,297  | 4,535  | 4,775  | 5,729  | 5,970  | 6,780  | 7,640  | 7,880  | 8,115  | 9,400  | 9,550  |
| 9                           | 1,698                                   | 1,910  | 2,122  | 2,334  | 2,546  | 2,758  | 2,970  | 3,182  | 3,396  | 3,606  | 3,820  | 4,032  | 4,244  | 5,092  | 5,305  | 6,030  | 6,792  | 7,000  | 7,215  | 8,355  | 8,490  |
| 10                          | 1,528                                   | 1,719  | 1,910  | 2,101  | 2,292  | 2,483  | 2,674  | 2,865  | 3,056  | 3,247  | 3,438  | 3,629  | 3,820  | 4,584  | 4,775  | 5,425  | 6,112  | 6,300  | 6,495  | 7,520  | 7,640  |
| 12                          | 1,273                                   | 1,432  | 1,591  | 1,751  | 1,910  | 2,069  | 2,228  | 2,386  | 2,546  | 2,705  | 2,864  | 3,023  | 3,183  | 3,820  | 3,980  | 4,520  | 5,092  | 5,250  | 5,410  | 6,265  | 6,365  |
| 14                          | 1,091                                   | 1,228  | 1,364  | 1,500  | 1,637  | 1,773  | 1,910  | 2,046  | 2,182  | 2,319  | 2,455  | 2,592  | 2,728  | 3,274  | 3,410  | 3,875  | 4,366  | 4,500  | 4,640  | 5,370  | 5,455  |
| 16                          | 955                                     | 1,074  | 1,194  | 1,313  | 1,432  | 1,552  | 1,672  | 1,791  | 1,910  | 2,029  | 2,149  | 2,268  | 2,387  | 2,865  | 2,985  | 3,390  | 3,820  | 3,940  | 4,060  | 4,700  | 4,775  |
| 18                          | 849                                     | 955    | 1,061  | 1,167  | 1,273  | 1,379  | 1,485  | 1,591  | 1,698  | 1,803  | 1,910  | 2,016  | 2,122  | 2,546  | 2,655  | 3,015  | 3,396  | 3,500  | 3,605  | 4,175  | 4,245  |
| 20                          | 764                                     | 859    | 955    | 1,050  | 1,146  | 1,241  | 1,337  | 1,432  | 1,528  | 1,623  | 1,719  | 1,814  | 1,910  | 2,292  | 2,390  | 2,715  | 3,056  | 3,150  | 3,245  | 3,760  | 3,820  |
| 22                          | 694                                     | 781    | 868    | 955    | 1,042  | 1,128  | 1,215  | 1,302  | 1,388  | 1,476  | 1,562  | 1,649  | 1,736  | 2,084  | 2,170  | 2,465  | 2,776  | 2,865  | 2,950  | 3,420  | 3,470  |
| 24                          | 637                                     | 716    | 796    | 875    | 955    | 1,034  | 1,115  | 1,194  | 1,274  | 1,353  | 1,433  | 1,512  | 1,591  | 1,910  | 1,990  | 2,260  | 2,546  | 2,625  | 2,705  | 3,135  | 3,185  |
| 26                          | 588                                     | 661    | 734    | 808    | 881    | 955    | 1,028  | 1,101  | 1,176  | 1,248  | 1,322  | 1,395  | 1,468  | 1,762  | 1,840  | 2,090  | 2,352  | 2,425  | 2,495  | 2,890  | 2,940  |
| 28                          | 546                                     | 614    | 682    | 750    | 818    | 887    | 955    | 1,023  | 1,092  | 1,159  | 1,228  | 1,296  | 1,364  | 1,637  | 1,705  | 1,940  | 2,182  | 2,250  | 2,320  | 2,685  | 2,730  |
| 30                          | 509                                     | 573    | 637    | 700    | 764    | 828    | 891    | 955    | 1,018  | 1,082  | 1,146  | 1,210  | 1,274  | 1,528  | 1,595  | 1,810  | 2,056  | 2,100  | 2,165  | 2,505  | 2,545  |
| 32                          | 477                                     | 537    | 597    | 656    | 716    | 776    | 836    | 895    | 954    | 1,014  | 1,074  | 1,134  | 1,194  | 1,432  | 1,495  | 1,695  | 1,910  | 1,970  | 2,030  | 2,350  | 2,385  |
| 34                          | 449                                     | 505    | 562    | 618    | 674    | 730    | 786    | 843    | 898    | 955    | 1,011  | 1,067  | 1,124  | 1,348  | 1,405  | 1,595  | 1,796  | 1,855  | 1,910  | 2,210  | 2,245  |
| 36                          | 424                                     | 477    | 530    | 583    | 637    | 690    | 742    | 795    | 848    | 902    | 954    | 1,007  | 1,061  | 1,273  | 1,330  | 1,510  | 1,698  | 1,750  | 1,085  | 2,090  | 2,120  |
| 38                          | 402                                     | 452    | 503    | 553    | 603    | 653    | 704    | 754    | 804    | 854    | 904    | 955    | 1,006  | 1,206  | 1,260  | 1,430  | 1,608  | 1,660  | 1,710  | 1,980  | 2,010  |
| 40                          | 382                                     | 430    | 478    | 525    | 573    | 620    | 669    | 716    | 764    | 812    | 860    | 908    | 956    | 1,146  | 1,195  | 1,355  | 1,528  | 1,575  | 1,625  | 1,880  | 1,910  |
| 42                          | 366                                     | 409    | 454    | 500    | 545    | 591    | 636    | 682    | 732    | 775    | 818    | 863    | 908    | 1,090  | 1,140  | 1,295  | 1,464  | 1,500  | 1,545  | 1,790  | 1,820  |
| 44                          | 347                                     | 390    | 434    | 478    | 521    | 564    | 608    | 651    | 694    | 737    | 780    | 824    | 868    | 1,042  | 1,085  | 1,235  | 1,388  | 1,432  | 1,475  | 1,710  | 1,735  |
| 46                          | 333                                     | 375    | 416    | 458    | 500    | 541    | 582    | 624    | 666    | 708    | 750    | 791    | 832    | 1,000  | 1,040  | 1,180  | 1,332  | 1,370  | 1,410  | 1,635  | 1,660  |
| 48                          | 318                                     | 358    | 398    | 438    | 478    | 517    | 558    | 597    | 636    | 676    | 716    | 756    | 796    | 956    | 995    | 1,130  | 1,272  | 1,315  | 1,350  | 1,565  | 1,590  |
| 53                          | 288                                     | 324    | 360    | 395    | 432    | 468    | 503    | 539    | 576    | 612    | 648    | 683    | 720    | 864    | 900    | 1,025  | 1,152  | 1,189  | 1,225  | 1,420  | 1,440  |
| 60                          | 255                                     | 287    | 319    | 350    | 387    | 414    | 446    | 478    | 510    | 542    | 574    | 606    | 638    | 774    | 795    | 905    | 1,020  | 1,050  | 1,080  | 1,255  | 1,275  |
| 72                          | 212                                     | 239    | 265    | 291    | 318    | 345    | 371    | 398    | 424    | 451    | 477    | 504    | 530    | 637    | 665    | 755    | 849    | 875    | 905    | 1,045  | 1,060  |

For intermediate diameters not listed use the formula listed in Section 1.2.10 of ANSI B7.1 (SFPM = .262 x wheel diameter in inches x RPM.)  
To convert meters per second (m/s) to SFPM: m/s x 196.85 = SFPM. To convert SFPM to m/s: SFPM/196.85 = m/s. To convert RPM to SFPM: Wheel Diameter x RPM x 0.262 = SFPM



**Product Warranty**

WARRANTY – Norton warrants the products in this catalog to be free from defects in material or workmanship for a period of one year from the date of purchase. Norton's sole obligation under this warranty shall be to repair or replace, at Norton's option, any product which is non-conforming provided any such product failure was not caused by a subsequent modification of the product, misuse or a failure to follow any applicable instructions for the product.

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All product quality complaints should be submitted to your local Norton Distributor.

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NORTON'S LIABILITY FOR ANY LOSS OR DAMAGE ARISING OUT OF OR RESULTING FROM THE USE OF THE PRODUCT SHALL NOT EXCEED THE PURCHASE PRICE THEREOF, REGARDLESS OF WHETHER SUCH LIABILITY ARISES IN CONTRACT, TORT (INCLUDING WITHOUT LIMITATION NEGLIGENCE OR STRICT LIABILITY), OR OTHERWISE, AND IN NO EVENT SHALL NORTON BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. NO REPRESENTATIVE OF NORTON, NOR ANY OF NORTON'S DISTRIBUTORS OR DEALERS, IS AUTHORIZED TO MODIFY THIS WARRANTY OR ISSUE ANY WARRANTY REGARDING THE PRODUCTS IN THIS CATALOG.

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|                               |                                |                                       |                        |
|-------------------------------|--------------------------------|---------------------------------------|------------------------|
| 3X™                           | Fantastic Tool™                | NORaX®                                | Rapid Prep™            |
| A275 Original Performance™    | Fast Cut™                      | Norbide®                              | Rapid Strip™           |
| Abrasive Connection Expressx® | FastEco™                       | NorKut™                               | Red Heat®              |
| Abrasotex™                    | FastTrack™                     | NorGrip®                              | Rescue Runner™         |
| Adalox®                       | FlexDrum™                      | NorLok™                               | Reshaping Your World™  |
| Alundum®                      | FlexEdge™                      | NorPor®                               | RightCut™              |
| Aero-Jet™                     | Foundry X™                     | Norton®                               | SAABA™                 |
| Amplex®                       | Free Cut®                      | Norton Clipper™                       | Sand-O-Flex™           |
| AVOS®                         | Furioso™                       | Norton Design® (Parallelogram)        | SandWet™               |
| Aztec®                        | Gemini®                        | Norton Design® (Triple Stripe Design) | Screen-Bak®            |
| Aztec li®                     | G-Force™                       | Norton Ice™                           | ShurStik™              |
| Bear-Tex®                     | Green Flipper™                 | Norton Quantum™                       | Silver Eagle®          |
| Black Ice®                    | Greenlyte™                     | Norton Quantum X™                     | SoftTouch®             |
| Blaze®                        | Grind-O-Flex™                  | Norton SG®                            | Speed Change™          |
| Blue-Bak™                     | India®                         | NorZon®                               | Speed-Lok®             |
| Blue-Core™                    | JobPack™                       | NorZon BlueFire®                      | Stick & Sand®          |
| BlueFire®                     | Lightning®                     | NorZon Plus®                          | Targa®                 |
| BlueFire 20X™                 | Liquid Ice®                    | Onyx™                                 | The Absolute Force™    |
| BZX®                          | Long Life™                     | Openkote™                             | The See-Thru System™   |
| Charger™                      | Merit®                         | Pacester™                             | Thin Flex™             |
| Clean Bond®                   | Metalite®                      | Paradigm®                             | TufBak®                |
| Clear Choice™                 | Mini-Dex™                      | Plyweld®                              | U-Dex-It™              |
| Clear Creek™                  | MSL®                           | PowerFlex®                            | Univel®                |
| CloseKote®                    | Multi-Air®                     | PowerLock®                            | USB™                   |
| Crystolon®                    | Multi-Air Cyclonic®            | PowerStrip™                           | Vitrium <sup>3</sup> ® |
| DiaLast™                      | Multi-Air® Plus™               | Pure Ice™                             | Vortex®                |
| Dry Ice®                      | Multi-Oilstone®                | PureSand®                             | Winter®                |
| Duo®                          | MultiSand™                     | Quadro-Fit Pro™                       | WoodSand™              |
| Durite®                       | The Muscle Behind The Machine® | QuadroFlex™                           | ZF®                    |
| Edger™                        | Nanozyte™                      | Rail Cut™                             | ZS®                    |
| Elgin™                        | Neon®                          | Rapid Blend™                          | ZX®                    |
| EZ Choice®                    | NEX™                           | Rapid Cut™                            | and others             |
| E-Z Flex®                     | No-Fil®                        | Rapid Finish™                         |                        |
| FabCut™                       |                                |                                       |                        |

# GET ACCESS TO THE INDUSTRY'S BEST SELECTION OF ABRASIVE SOLUTIONS!

## Inside Sales

**FOR INFORMATION**, contact our inside sales team:

PHONE: **800-962-9379** FAX: **508-795-5950**

- Product application information/technical assistance
- Competitive product conversions
- Product availability, pricing and delivery information
- Request for on-site "no-risk" product test



Norton | Saint-Gobain is so confident of the superior performance of our abrasive products, as recommended for specific applications, that we invite in-plant tests against any other brand of abrasive product on the market.

- 1 The test will be conducted in the user's own plant, on their own machines, using their own workpieces
- 2 Even if the user purchases only a minimum quantity of Norton abrasive products, the user will receive the same quantity discount as would apply to their normal production orders
- 3 If the Norton product tested proves completely unsatisfactory, the user will receive a full refund
- 4 If the Norton product tested performs at a lower level than the product presently in production, the user will receive an adjustment to make up the difference in performance
- 5 The user is the final judge of performance!

## Customer Service

**TO PLACE AN ORDER**, contact our customer service support center with:

EMAIL: [nacustomerservice@saint-gobain.com](mailto:nacustomerservice@saint-gobain.com)

U.S. PHONE: **800-551-4413** FAX: **800-551-4416**

CDN. PHONE: **800-263-6565** FAX: **800-561-9490**

- Customer number and contact name
- Any special shipping needs
- Complete product information:
  - 11-digit Part Number
  - Product description
  - Quantity and unit of measure
  - Price by unit of measure



To ensure minimal errors and faster turnaround, using electronic media is preferred. For assistance with [www.abrasiveconnection.com](http://www.abrasiveconnection.com) or EDI setup, contact us at:

Email: [abrasive.connection@saint-gobain.com](mailto:abrasive.connection@saint-gobain.com)

Phone: **888-383-2236**

## Online

This printed catalog is a great starting resource for Norton and Merit product selection. Our website is the ideal resource for a more comprehensive outline of product and application information. It is continually updated with all our most current information and offers more electronic queries for deeper detail, at a click of a button.

[www.nortonabrasives.com](http://www.nortonabrasives.com)



# RESHAPING THE WORLD FOR METAL FAB MARKETS

For nearly 130 years, Norton products have delivered industry-leading abrasive solutions to consistently improve part quality finish and enhance production capabilities. The Norton brand has you covered for consistent-performing products that offer the highest productivity in the industry while reducing the overall total cost of doing business. **Call, click, or visit us online to learn how.**



### The Right Choice Every Time

Our re-engineered Norton Gemini RightCut 100% aluminum oxide wheels provide thinner, faster cutting with a burr-free, precision cut and improved operator comfort.



### Corner Store Convenience

Look for the "V" throughout the catalog for the industry's best selection of vendible abrasive solutions: wheels, discs, belts, mounted points, and more.



### It's Time to Clear the Air

The precision laser-cut, spiral-hole design of Norton Multi-Air Cyclonic ceramic paper discs maximize dust extraction for a superior surface finish and cleaner work environment.



### Power Up Affordable Versatility

The proprietary grain technology and improved resin bond in our Norton Neon products deliver up to 3X the life and cut rate at an economical initial price.



### Prep for the Future

Cleaning and surface conditioning Norton Rapid Prep products deliver higher material removal, longer life and consistent, smear-free finishes - even on high nickel content alloys



### Professionals Want Choices

Norton NorZon Plus is the highest performance line in the industry. Invented and made in America: fastest cutting (FastCut), lowest total cost (All Purpose), and longest lasting (Long Life).

#### BEST

Highest Productivity - Lowest Total Cost

#### BETTER

Excellent Blend of Performance and Price

#### GOOD

Consistent Performance - Low Initial Price

[www.facebook.com/NortonIndustrial](http://www.facebook.com/NortonIndustrial) | [www.youtube.com/NortonIndustrial](http://www.youtube.com/NortonIndustrial) | [www.nortonindustrial.com](http://www.nortonindustrial.com)

#### USA CUSTOMER SERVICE:

Toll Free Phone: 1 (800) 551-4413  
Toll Free Fax: 1 (800) 551-4416

#### CANADA CUSTOMER SERVICE:

Toll Free Phone: 1 (800) 263-6565  
Toll Free Fax: 1 (800) 561-9490

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