





### 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.

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

and polishing

4-1/2" - 7" SIZE RANGE:

X-Coarse, Coarse, Medium, Fine, Very Fine **GRIT RANGE:** Ceramic Alumina, Silicon Carbide, Aluminum Oxide ABRASIVE GRAIN:

### 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	BETTER	GOOD
	Highest Productivity. Lowest Total Cost.	Excellent Blend of Performance & Price.	Consistent Performance. Low Initial Price.
Removing scale and coarse welding marks	Blaze Rapid Strip Ceramic X/Crse	-	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





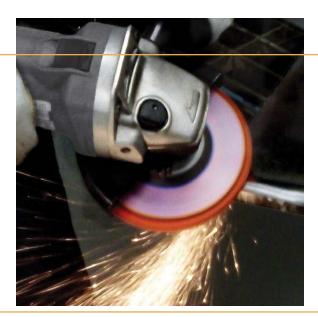
### APPLICATION/PRODUCT RECOMMENDATION GUIDE

	MOST AGGRESSIVE / LEA	ST CONFORMABLE		LEAST AGGRESSI	VE / MOST CONFORMABLE
DEPRESSED CENTER	BLAZE RAPID STRIP	VORTEX RAPID BLEND A/O MED. Rapid blend a/o coarse	RAPID BLEND A/O MEDIUM	RAPID BLEND S/C FINE	RAPID PREP VERY FINE
DISCS WITH BACK-UP PAD		RAPID PREP A/O COARSE	RAPID PREP A/O MEDIUM	RAPID PREP A/O FINE	
SCALE REMOVAL	BEST CHOICE				
STOCK REMOVAL	BEST CHOICE	SECOND CHOICE			
HEAVY DEBURRING	SECOND CHOICE	BEST CHOICE			
LIGHT DEBURRING		BEST CHOICE	SECOND CHOICE		
LIGHT FINISHING		SECOND CHOICE	BEST CHOICE		
BLENDING			BEST CHOICE	SECOND CHOICE	
FINISHING			SECOND CHOICE	BEST CHOICE	
POLISHING				BEST CHOICE	SECOND CHOICE

### **CROSS REFERENCE GUIDE**

STRIPPING	SURFACE FINISHING	SURFACE PREP
EXTRA COARSE	COARSE – MEDIUM – FINE	VERY FINE

NORTON	BEST Blaze Rapid Strip	GOOD Rapid Strip	BETTER Vortex Rapid Blend	GOOD Rapid Blend	BETTER Vortex Rapid Prep	GOOD Rapid Prep
ВМ	-	Clean & Strip	-	-	-	SL Surface Conditioning
Bibielle	_	SDR Strip-It/Red	_	Unitized	_	_
Camel	_	EZ Strip Black/Red	_	_	_	_
Flexovit	-	Clean & Strip	-	_	_	_
lermes	-	Webrax	-	_	_	_
earl	-	S/C Stripping	-	_	_	Surface Preparation
ferd	-	Policlean	-	Poliflex PUR	_	_
ait	_	Sait-Strip	_	Unitized	_	_
tandard	-	Cleaning	-	Unitized	_	_
Superior	-	Stripping	_	Unitized	_	_
Walter	-	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

MAX. RPM

12,000

12,000

11,000

11,000

8,000

8,000





### 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 aluminia grain	2x cut rate, 2x life over silicon carbide products
Advanced resin bond	<ul><li>Does not shed on rust-encrusted pieces, and prevents gouging and rework</li><li>Does not snag when used for deburring</li></ul>
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

AV/A	ΠA	RII	ITY

SIZE (D x H)

4-1/2 x 7/8

5 x 5/8-11

7 x 5/8-11

5 x 7/8

7 x 7/8

4-1/2 x 5/8-11

TIER:	BEST	GOOD
BRAND:	Norton	Norton
TRADENAME:	BLAZE RAPID STRIP	RAPID STRIP
ABRASIVE:	Ceramic Alumina	Silicon Carbide
GRIT SIZE:	36-50	36-50
GRADE:	X-Coarse	X-Coarse
TYPE/BACKING:	Type 27/Fiberglass	Type 27/Fiberglass
STD. PKG.	PART #	PART #
10	66254498101	66261009585
10	66623303783	66261009649
10	66623303915	
10	66623303916	
10	66623303919	66261009650
10	66623303920	66261009586



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

REVOLUTIONARY TECHNOLOGY FOR HEAVY DEBURRING AND FINISHING

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





Engineered A/O

100-120

Medium Type 27/Fiberglass

66254429243

66254429268







Silicon Carbide

320-400

NEX-2SVF

Type 27/Fiberglass

66261023943

66261020546



AVAILABILITY	ava	ILAB	ILITY
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AVAILABILITY	TIER:
	BRAND:
	TRADENAME:
	ABRASIVE:
	GRIT SIZE:
	SPECIFICATION:
	TYPE/BACKING:
SIZE (D x H) M	AX. RPM STD. PKG.

	TIER:
	BRAND:
١	TRADENAME:
	ABRASIVE:
	GRIT SIZE:
	SPECIFICATION:
	YPE/BACKING:



	GOOD
	Norton
END	RAPID BLEND
	Aluminum Oxide

150-180

NEX-2AM

Type 27/Fiberglass

66261023947

66261020548

GOOD
Norton
RAPID BLEND
Aluminum Oxide

220-280

NEX-2AF

Type 27/Fiberglass

66261023946

66261020547



GOOD	

Norton

RAPID BLEND

Aluminum Oxide

150-180

High Strength Medium

Type 27/Fiberglass

66261023949

66261020549

(/		
4-1/2 x 5/8-11	12,000	10
4-1/2 x 7/8	12,000	10









#### **NORTON VORTEX RAPID PREP NON-WOVEN DISCS**

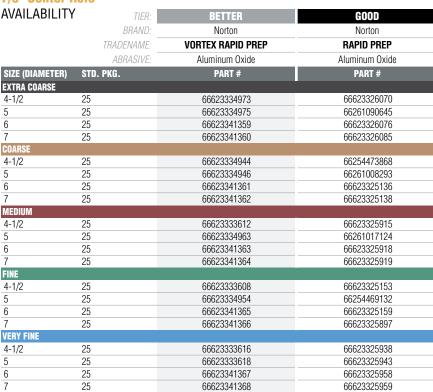
BETTER CHOICE FOR FINISHING AND BLENDING APPLICATIONS

#### **FEATURES**

#### **BENEFITS**

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





DESCRIPTION Rapid Prep Dis	MAX. RPM c Back-u	STD. PKG. p Pads	PART NO.
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







### **AVOS RAPID PREP SPEED-LOK DISCS**

GOOD CHOICE FOR LIGHT DEBURRING, CLEANING AND FINISHING

FEATURES	BENEFITS
■ Patented hole design	<ul> <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>
Scooped holes	■ Create air flow to pull loose abrasive and swarf away from work surface grinding zone – resulting in extended disc life
15 degree angle back-up pad	<ul> <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:	VORTEX Rapid Prep	RAPID PREP
	ABRASIVE:	Aluminum Oxide	Aluminum Oxide
SIZE (DIAMETER)	STD. PKG.	PART #	PART #
EXTRA COARSE			
4-1/2	10	66623374800	66623374815
5	10	66623374801	66623374816
7	10	66623374802	66623374817
COARSE			
4-1/2	10	66623374803	66261010447
5	10	66623374804	66623374818
7	10	66623374805	
MEDIUM			
4-1/2	10	66623374806	66261010448
5	10	66623374807	66623374819
7	10	66623374808	
FINE			
4-1/2	10	66623374809	66623374820
5	10	66623374810	66623374821
7	10	66623374811	66623374822
VERY FINE			
4-1/2	10	66623374812	66623374823
5	10	66623374813	66623374824
7	10	66623374814	







DESCRIPTION	MAX. RPM	STD. PKG.	PART #
AVOS Speed-Lok Back	up Pads	– Triang	ular
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
AVOS Speed-Lok Back	up Pads	– Round	
7 x 5/8-11 Hard	8,600	5	63642504873
7 x 5/8-11 Medium	8,600	5	63642504874
* USE ON AIR PNEUMATIC A	AND HIGH-S	PEED PIST	TOL GRIP SANDERS.

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

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AVAILABII	LITY TIER:	BETTER	GOOD
	BRAND:	Norton	Norton
	TRADENAME:	VORTEX Rapid Prep	RAPID PREP
	ABRASIVE:	Aluminum Oxide	Aluminum Oxide
SIZE (DIAMET		PART #	PART #
EXTRA COARSE	_		
4-1/2	25	66623373667	66623373690
5	25	66623373669	66623373691
7	25	66623373670	66623373692
COARSE			
4-1/2	25	66623373671	66623373693
5	25	66623373674	66254498516
7	25	66623373675	66261192908
MEDIUM			
4-1/2	25	66623373678	66623308157
5	25	66623373679	66623373694
7	25	66623373680	66261192913
FINE			
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 #
Smooth-Face Back 5/8-11 Speed-Char			
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 SI MATERIALS: bi

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<sup>™</sup> Roloc<sup>™</sup> fastening system

#### Type TP (Type I)

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







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

### **APPLICATION/GRIT RECOMMENDATION GUIDE**

	MOST AGGRESSIVE				LEAST AGGRESSIVE
NORTON	RAPID STRIP	VORTEX RAPID BLEND	VORTEX RAPID PREP	RAPID PREP	7
MERIT		DEBURRING & BLENDING			HS BUFFING, BUFFING
SCALE REMOVAL	BEST CHOICE				
STOCK REMOVAL	BEST CHOICE	SECOND CHOICE			
HEAVY DEBURRING	SECOND CHOICE	BEST CHOICE			
LIGHT DEBURRING		BEST CHOICE	SECOND CHOICE		
LIGHT FINISHING			BEST CHOICE	SECOND CHOICE	
BLENDING			BEST CHOICE	SECOND CHOICE	
CLEANING			SECOND CHOICE	BEST CHOICE	
FINISHING				BEST CHOICE	SECOND CHOICE





## CROSS REFERENCE GUIDE

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

### ABRASIVE/GRIT/DENSITY KEY

ABRASIVE	SILICON CARBIDE			ALUMINUI	N OXIDE	CERAMIC ALUMINA		
ADKASIVE	SHARPER, FINER/BRIG	SHTER SCRATCH PATTERN		MORE DURABLE, LONGER LAST				
GRIT SIZE	XC (24-36)	C (50-80)	M (100-150)	F (180-220)	VF (240-360)	SF (400-600)		
GRII SIZE	FASTER, AGGRESSIVE	CUT, ROUGHER FINISH		REDUCED CUT RATE, FINER FINISH				
DENSITY	2					9		
DEMOTIT	SOFT, OPEN, CONFOR	MABLE, LESS BURNING/LOADIN	G	HAR	DER, 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 SURSTRATES, SUCH AS WOOD, METAL AND PLASTICS.

EAL FUN NEIVIUVIING	BENEFITS				
Manufactured with extruded nylon fibers, flexible resin technology, and extra-coarse abrasive grains	<ul> <li>Provide a unique combination of aggressive performance, long life, improved finish</li> <li>Outperform traditional coated abrasive products, leaving a thoroughly cleaned surface, ensuring excellent adhesion in subsequent processes such as coating, painting and soldering</li> <li>Great alternative to wire brushes</li> <li>Will not load on sticky coatings, adhesives, and soft metals, or snag and shed like a fiber disc</li> </ul>				
Blaze Rapid Strip	<ul> <li>2X faster cutting than competitive discs; lasts 2X (plus) as long</li> <li>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</li> </ul>				

AVAILABILITY	•	TIER:	BEST		GOOD		GOOD
		BRAND::	Norton	_	Norton	<u> </u>	Norton
		TRADENAME:	BLAZE RAPID STRIP		RAPID STRIP		RAPID STRIP
		ABRASIVE:	Ceramic Alumina		Silicon Carbide		Silicon Carbide
		GRADE:	XC	_	XC		XC
		ATTACHMENT:	TR (Type III)		TR (Type III)		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		

## **Deburring & Blending Discs**



### **NORTON BLAZE RAPID BLEND DISCS**

NEW REVOLUTIONARY TECHNOLOGY FOR HEAVY DEBURRING AND FINISHING

FEATURES	BENEFITS	
Norton Blaze SG ceramic alumina grain	Quickest cut rate and up to 8X longer life than competitive aluminum oxide discs	
■ Special resin chemistry	Resists shedding when used on sharp edges, making it ideal for deburring	
New construction: abrasive is distributed throughout the entire disc (top, bottom and side)	<ul> <li>All three faces can be used – versus competitive discs' one bottom layer of abrasiv</li> <li>3 - 8 times the life of competitive surface blending discs</li> <li>Fewer safety, ergonomic, and environmental issues due to fewer change-outs, less downtime, and less production waste/landfill scrap</li> <li>No smearing</li> </ul>	е



#### NORTON VORTEX RAPID BLEND DISCS

REVOLUTIONARY TECHNOLOGY FOR HEAVY DEBURRING AND FINISHING

FEATURES	BENEFITS
Proprietary Vortex aluminum oxide aggregate grain	Performs the medium to fine grit steps of traditional discs in an easy one-step operation
■ Special resin chemistry	Resists shedding when used on sharp edges, making it ideal for deburring
New construction: abrasive is distributed throughout the entire disc (top, bottom and side)	<ul> <li>All three faces can be used – versus competitive discs' one bottom layer of abrasive</li> <li>3 - 8 times the life of competitive surface blending discs</li> <li>Fewer safety, ergonomic, and environmental issues due to fewer change-outs, less downtime, and less production waste/landfill scrap</li> <li>No smearing</li> </ul>



### **NORTON RAPID BLEND DISCS**

GOOD CHOICE FOR LIGHT DEBURRING, BLENDING, AND CLEANING

F	EATURES	BENEFITS
1	Open mesh construction	<ul> <li>Waterproof, washable, conformable, and non-loading</li> <li>Designed for surface generation where stock removal is not required</li> </ul>
•	New construction: abrasive is distributed throughout the entire disc (top, bottom and side)	<ul> <li>All three faces can be used – versus competitive discs' one bottom layer of abrasive</li> <li>3 - 8 times the life of competitive surface blending discs</li> <li>Fewer safety, ergonomic, and environmental issues due to fewer change-outs, less downtime, and less production waste/landfill scrap</li> </ul>
		No smearing





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

AVAILAE	BILITY	,			TIER: BRAND::	BEST Norton	BETTER Norton	GOOD	MAX RPM: 22.000 GOOD Merit
					ENAME:	BLAZE RAPID BLEND	VORTEX RAPID BLEND	RAPID BLEND	DEBURR/BLEND
					RASIVE:	Ceramic Alunima	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide
					HMENT:	TR (Type III)	TR (Type III)	TR (Type III)	TR (Type III)
				ALIAU	TIIVILIVI.	12			
SIZE (D x T)	ABR.	CRIT	DENSITY	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #
1 x 1/4	C/A	XC	1	35,100	100	66623313919	ΓANI π	rani π	FANI π
1 / 1/ 1	A/0	M	1	35,100	100	00020010313	66254497806		
1-1/2 x 1/4	C/A	XC	1	35,100	80	66623313921			
	A/0	M	1	35,100	80		66254497807		
2 x 1/8	A/0	С	7-9	22,000	60			66261014921	
	A/0	М	2-3	22,000	60			66261014897	
	A/0	M	4-6	22,000	60		66254425632	66261014911	
	A/O S/C	M F	7-9 2	22,000 22,000	60 60		66254433509	66261014935	
	S/C S/C	F	3	22,000	60			66261014889 66261017306	
	S/C	F	3 4-6	22,000	60			66261014906	
2 x 3/16	A/0	M	2-3	22,000	60		66254428236	00201011000	
2 x 1/4	C/A	XC	1	35,100	25	66623313923			
•	A/0	С	7-9	22,000	60				66261054187
	A/0	M	1	12,100	25		66254497067		
	A/0	M	2-3	22,000	60		66254428237		66261054183
	A/0	M	4-6	22,000	60		66254413660		66261054185
	A/0	M	7-9	22,000	60		66254433510		66261054186
	S/C	F F	2-3	22,000	60				66261054182
3 x 1/8	S/C A/O	С	4-6 7-9	22,000 15.000	60 40			66261014922	66261054184
J X 1/0	A/0 A/0	M	7-9 2-3	15,000	40			66261014898	
	A/0	M	4-6	15,000	40		66261093556	66261014912	
	A/0	M	7-9	15,000	40		66261090909	66261014936	
	A/0	F	2-3	15,000	40				
	A/0	F	4	15,000	40			66261015419	
	A/0	F	6	15,000	40				
3 x 3/16	A/0	M	7-9	15,000	40		66254428239		
3 x 1/4	C/A	XC	1	12,100	25	66623313930			000040544004
	A/0	C	7-9	15,000	40		CC0E 44070C0		66261054198*
	A/0 A/0	M M	1 2-3	12,100 15,000	25 40		66254497068 66254428238		66261054193*
	A/0 A/0	M	2-3 4-6	15,000	40 40		66254413661		66261054196*
	A/0	M	7-9	15,000	40		66254406395		66261054197*
	A/0	F	2-3	15,000	40		00201100000		66261054192*
	A/0	F	4-6	15,000	40				66261054194*
	S/C	F	2	15,000	40			66261014890	
	S/C	F	3	15,000	40			66261016005	
	S/C	F	4-6	15,000	40				66261054195*

Refer to the end of this section for a list of quick-change back-up pads.



\* STD. PKG. = 20 DISCS



GOOD

## FEATURED PRODUCTS

# **Surface Preparation Discs**



### **NORTON VORTEX RAPID PREP**

BETTER CHOICE FOR FINISHING AND BLENDING APPLICATIONS

FEATURES	BENEFITS
Proprietary Vortex aluminum oxide abrasive grain and coating method	<ul> <li>Combines maximum cutting speed with the consistent finish of finer grits</li> <li>Reduce process times by 50+% by combining multiple grit sequences to 1 step</li> <li>More resistant to edge wear; up 4X life versus competitive products</li> <li>Friable grain structure keeps Ra specs throughout disc life, reducing scrap/rework</li> </ul>
Clean Bond resin system, aerospace-tailored	<ul> <li>Smear-free, even on high nickel content alloys</li> <li>Will not load on aluminum and soft metals, as competitive products may</li> </ul>
Extended form holding	■ Lowest total cost of consumable tooling per workpiece



### **NORTON RAPID PREP**

BETTER

GOOD

GOOD CHOICE FOR FINISHING AND BLENDING APPLICATIONS

FEATURES	BENEFITS
Clean Bond resin system, aerospace-tailored	<ul><li>Smear-free, even on high nickel content alloys</li><li>Will not load on aluminum and soft metals, as competitive products may</li></ul>
Proprietary coating method	■ Thick layer of grain throughout the product extends life; grain does not sit on top of fibers as other competitive products may

GOOD

	BRAND: Norton		Norton	Norton	Norton	Norton	Norton	
	TRADENAME:	VORTEX RAPID PREP	RAPID PREP	<b>VORTEX RAPID PREP</b>	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 (DI		. PART #	PART #	PART #	PART #	PART #	PART #	
EXTRA CO								
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	
COARSE								
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	
MEDIUM								
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	
FINE								
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 FIN</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	
SUPER F								
2	50		66261091459					
3	25		66261091460					
* 25 PER	STANDARD PACKAG	GE .						

<sup>\* 25</sup> PER STANDARD PACKAGE

# **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 (See description at end of Overlap Slotted Disc Section.)

AVAILABILITY		TIER:	GOOD
		BRAND::	Merit
		TRADENAME:	SURFACE PREP
		ABRASIVE:	Aluminum Oxide
		ATTACHMENT:	1/4-20 Eyelet
SIZE (D x EYELET)	GRIT	STD. PKG.	PART #
1-1/2" x 1/4-20	С	100	08834185923
	M	100	08834185924
	VF	100	08834185925
2" x 1/4-20	С	100	08834185926
	M	100	08834185927
	VF	100	08834485928
3" x 1/4-20	С	100	08834185929
	M	100	08834185678
	VF	100	08834185931
4" x 1/4-20	С	100	08834185932
	M	100	08834185933
	VF	100	08834185934

### 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 (See description at end of Overlap Slotted Disc Section)

AVAILABILITY			TIER:	BETTER	GOOD
			BRAND::	Merit	Merit
			TRADENAME:	HIGH STRENGTH	BUFFING
			ABRASIVE:	Aluminum Oxide	Aluminum Oxide
			ATTACHMENT:	8-32 Eyelet	8-32 Eyelet
SIZE (D x W)	GRIT	PLY	STD. PKG.	PART #	PART #
-1/2 x 1/2	Coarse	2	100		08834188761
	Medium	2	100	08834189306	08834187312
	Very Fine	2	100	08834189307	08834188585
I-1/2 x 1/2	Coarse	3	100		66623301763
	Medium	3	100	08834189308	08834187311
	Very Fine	3	100	08834189309	08834188586



## **Buffing/Polishing Discs**



### **BUFFING/POLISHING DISCS**

DESIGNED FOR LIGHT REMOVAL OF PAINT OR RUST

FEATURES	BENEFITS
■ High-strength discs	<ul><li>Tough, yet conformable, and resist tearing on burrs and sharp edges</li><li>Smear-proof</li></ul>
For light removal of paint or rust	Does not affect the base product

AVAIL	۱ II II	TV TIED	DECT	Г	DETTED	DETTED	0000	0000	0000
AVAIL	ADILI	Y TIER:	BEST		BETTER	BETTER	GOOD	GOOD	GOOD
		BRAND::	Norton		Merit	Merit	Merit	Merit	Merit
	TF	RADENAME:	HIGH-STRENGTH		HIGH-STRENGTH	HIGH-STRENGTH	BUFFING	BUFFING	BUFFING
		ABRASIVE:	Aluminum Oxide		Aluminum Oxide				
	AT	TACHMENT:	TR (Type III)		TR (Type III)	TS (Type II)	TR (Type III)	TS (Type II)	TP (Type I)
SIZE (D)	GRIT	STD. PKG.	PART #	STD. PKG.	PART #				
1-1/2	М			100			08834166368	08834166392	08834166292
	F			100			08834166369		08834166332
2	С			50			08834161649	08834166394	08834161627
	M	160	66261014792	50	08834164064	08834164244	08834166303	08834166395	08834166280
	F			50			08834166304	08834166396	08834166281
	VF			50	08834163987	08834164245	08834166305	08834166405	08834166282
3	С			25			08834161651	08834166397	08834166293
	M	80	66261014793	25	08834164065	08834164252	08834166308	08834166398	08834166284
	F			25			08834166309	08834166399	08834166285
	VF			25	08834163559	08834164255	08834166310	08834166403	08834166286
4	M			25				08834166401	

GOOD

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

**AVAILABILITY** 



TS (TYPE II)



		BRAND::	Norton	Merit	Norton	Merit	Merit
	AT7	ACHMENT:	TR (Type III)	TR (Type III)	TS (Type II)	TS (Type II)	TP (Type I)
IZE Diameter)	MAX. RPM	DENSITY	PART #	PART #	PART #	PART #	PART #
Quick-Char	nge Back	-up Pads					
3/4"	40,000	Medium		08834164038		08834164206	08834164001
п	40,000	Medium		08834164037		08834164651	08834164002
-1/2"	30,000	Hard		08834164640		08834164622	08834163996
	30,000	Medium	66261047580	08834161174		08834164146	08834164003
	30,000	Hard		08834164643	63642543205	08834164624	08834163997
	30,000	Medium	66261055103	08834164922	63642543210	08834164198	08834164004
	30,000	Soft		08834164641		08834161625	08834163949
	20,000	Hard	63642504900	08834164036	63642543220	08834161626	08834163998
	20,000	Medium	66261055105	08834164949	63642543225	08834164113	08834164005
	20,000	Soft		08834164644		08834164626	08834163948
11	15,000	Medium	66261047581	08834164655	63642543232	08834164135	08834164006
" TR+	8,000	Medium	66261016581	63642555106			

GOOD

GOOD

GOOD

Refer to the end of the Coated Abrasive Quick-Change Discs section for a complete list of back-up pads and mandrels.

# **Non-Woven Hook and Loop Discs**



### **NORTON VORTEX RAPID PREP**

BETTER CHOICE FOR FINISHING AND BLENDING APPLICATIONS

FEATURES	В	ENEFITS
Proprietary aluminum abrasive go coating me	oxide rain and	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
Clean Bond resin syste aerospace-	em, ■	Smear-free, even on high nickel content alloys Will not load on aluminum and soft metals, as competitive products may
Improved loop backing		Will not fly off rotary sanders Discs sit flatter on back-up pads, resulting in a more consistent finish on DA applications

AVAILABILITY	TIER:	BETTER	GOOD
	BRAND:	Norton	Norton
	TRADENAME:	VORTEX RAPID PREP	RAPID PREP
	ABRASIVE:	Aluminum Oxide	Aluminum Oxide
SIZE (DIAMETER)	STD. PKG.	PART #	PART #
EXTRÀ COARSE			
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
COARSE			
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
MEDIUM	Γ0	00000000000	00000000574
1-1/2	50	66623325059 66623334958	66623338571
2 3	50 25	66623334956	66261004441 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
FINE	23	00023334900	00201017013
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			CONTINUED



# Non-Woven Hook and Loop Discs CONTINUED

AVAII ABII ITY	TIED.	DETTED	COOR
AVAILADILII I	TILII.	BETTER	GOOD
	BRAND:	Norton	Norton
	TRADENAME:	VORTEX RAPID PREP	RAPID PREP
	ABRASIVE:	Aluminum Oxide	Aluminum Oxide
SIZE (DIAMETER)	STD. PKG.	PART #	PART #
VERY FINE			
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
SUPER FINE			
4-1/2	25		66261094948
5	25		66261019962
7	25		66261094949



# **Back-Up Pads for Hook And Loop Discs**

AVAILABILIT	Υ			TIER:	GOOD	GOOD
				BRAND:	Norton	Merit
PAD DIAMETER	SPINDLE OR HOLE SIZE	MAX. RPM	3M EQUIVALENT	STD. PKG.	PART #	PART #
Back-Up Pads fo	or Hook And Loop Discs					
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	

<sup>\* = 1</sup> PER PKG, \*\* = 2 PER STD PKG.





## **Non-Woven High Strength Discs**



### HIGH STRENGTH AND FASTCUT DISCS

BETTER CHOICE FOR LIGHT DEBURRING AND FINISHING

FEATURES	BENEFITS
■ Firm, durable web	■ High resistance to tearing on burrs and sharp edges
■ Tough, yet conformable	Can be "ganged" together and used as a wheel
■ Strong, smear-proof resin binders	■ 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.

AVAILAB	ILITY		TIER:	BEST	BETTER		GOOD
			BRAND::	Norton	Norton	-	Merit
			TRADENAME:	FAST CUT	HIGH STRENGTH		HIGH STRENGTH
			ABRASIVE:	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	М	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 #
Mandrel Assemblies for using Discs on Edge							
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	BENEFITS		
Discs are "ganged" together to form a wheel	<ul><li>Mounted on a 1/4" steel mandrel embeded in an epoxy core</li><li>Strong and durable</li></ul>		

AVAILABILITY					TIER: GOOD
				BF	AND:: Merit
				ABRA	AS/VE: 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.

### **Non-Woven Abrasive Brushes**



NON-WOVEN ABRASIVE BRUSHES



BACK-UP PAD

#### **NON-WOVEN ABRASIVE BRUSHES – TYPE 27**

USE WHERE MAXIMUM CONFORMABILITY IS NEEDED

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

AVAILABILITY	•	TIER:	GOOD	GOOD
		BRAND:	Norton	Norton
		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				
Abrasive Brush B	ack-up Pads			
7" Medium	8,600	5	63642543422	



# **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