

BEAR-TEX SURFACE FINISHING PRODUCTS

Bear-Tex Surface Finishing products are made of a non-woven nylon web impregnated with abrasive grain and resin. A variety of abrasives, grit sizes and backing materials give the user an extensive and superior product offering.

Typical Applications

- Light to heavy duty cleaning
- Deburring
- Blending
- Polishing
- Finishing



Bear-Tex Hand Pads

BEST General Purpose Hand Pads

FEATURES	BENEFITS
<ul style="list-style-type: none"> • 847 General Purpose pad with perforations 	<ul style="list-style-type: none"> • Perforations allow for a smooth, shred-free split to create two smaller, easy-to-use 4-1/2" x 6" pads
<ul style="list-style-type: none"> • Improved 747 General Purpose pad with finer grit size and improved grain adhesion 	<ul style="list-style-type: none"> • Double the cut rate; no color bleeding when working with solvents



GOOD Bear-Tex Hand Pads

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Flexible 	<ul style="list-style-type: none"> • Conform to work surface
<ul style="list-style-type: none"> • Gentle action 	<ul style="list-style-type: none"> • Easily removes flashing or burrs without affecting dimension of workpiece
<ul style="list-style-type: none"> • Non-loading 	<ul style="list-style-type: none"> • Constant supply of new cutting edges
<ul style="list-style-type: none"> • Non-rusting 	<ul style="list-style-type: none"> • No workpiece contamination
<ul style="list-style-type: none"> • Resilient construction 	<ul style="list-style-type: none"> • Long life, increased productivity • Solvent resistant; Waterproof
<ul style="list-style-type: none"> • Easily cut to desired size 	<ul style="list-style-type: none"> • Reduces waste
<ul style="list-style-type: none"> • 696 Food Pro pad 	<ul style="list-style-type: none"> • No color transfer, meets FDA/USDA and Canadian food industry standards



SIZE W X L	COLOR	NAME	ABRASIVE	GRIT SIZE	STD. PKG.	BEST		GOOD	
						PRODUCT NO.	UPC NO.	PRODUCT NO.	UPC NO.
6 x 9	White	Light Duty Cleaning Pad	Non-Abrasive		60			456	66261045600
6 x 9	Gray	Clean & Finish Pad	Silicon Carbide	UF	60			635	66261063500
6 x 9	Lt. Green	Food Pro Pad	Aluminum Oxide	VF	2880			696	66261069600
6 x 9	Brown	Heavy Duty Pad	Aluminum Oxide	Med	40			740	66261074000
6 x 9	Gray	Metal Blend Pad	Silicon Carbide	Med	40			746	66261074600
6 x 9	Maroon	General Purpose Pad	Aluminum Oxide	VF	60	747	66261074700		
6 x 9	Gray	Final Shine Pad	Silicon Carbide	MF	60			748	66261074800
6 x 9	Maroon	Long Life Pad	Aluminum Oxide	VF	60			777	66261077700
6 x 9	Green	Scouring Pad	Aluminum Oxide	VF	60			796	66261079600
6 x 9	Maroon	General Purpose Perforated Pad	Aluminum Oxide	VF	60	847	66261084700		
6 x 9	Gray	General Purpose Pad	Silicon Carbide	VF	40			851	66261085100
3-1/4 x 5-1/2		Hand Pad Holder			10				66261047583



HAND SANDING

Bear-Tex Hand Pads



Hand Pad Starting Recommendations by Application

← MORE AGGRESSIVE, ROUGHER FINISH					LESS AGGRESSIVE, FINER FINISH →				
#740 (BROWN) HEAVY DUTY PAD	#746 (GRAY) METAL BLEND PAD	#777 (MAROON) LONG LIFE PAD	#747/847 (MAROON) GENERAL PURPOSE PADS	#796 (GREEN) SCOURING PAD	#696 (LT. GREEN) FOOD PRO PAD	#851 (GRAY) GENERAL PURPOSE PAD	#635 (GRAY) CLEAN & FINISH PAD	#748 (GRAY) FINAL SHINE PAD	#456 (WHITE) LIGHT DUTY CLEANING PAD
<ul style="list-style-type: none"> Removing rust and oxidation Deburring Blending Replaces steel wool and wire brushes in many applications 	<ul style="list-style-type: none"> Cleaning - aluminum - around welds - glass molds - dies Light deburring of intricate parts 	<ul style="list-style-type: none"> Fast initial cut rate Cleaning Deburring Corrosion removal Oxidation removal 	<ul style="list-style-type: none"> Cleaning Finishing Deburring machinery and tools Rust removal Defuzzing wood Preparing surfaces for painting Finer than #851 #847 is perforated 	<ul style="list-style-type: none"> Removing - stains - marks - rust - corrosion - oxidation 	<ul style="list-style-type: none"> General purpose cleaning in food processing plants Sanitary prep of work surfaces Light cleaning of metal surfaces Removal of light surface stains, etc. 	<ul style="list-style-type: none"> Removing rust and oxidation Blending around welds Cleaning glass molds Satin finishing aluminum parts 	<ul style="list-style-type: none"> Deburring plastic surfaces Cleaning fiberglass partitions Blending paint Scuffing acrylic surfaces Finishing aluminum doors and windows 	<ul style="list-style-type: none"> Light cleaning - steel - non-steel Defuzzing wood Final rub 	<ul style="list-style-type: none"> Non-abrasive Cleaning glass, fiberglass and porcelain fixtures Wood highlighting and rubbing between finish coats Scratch-free cleaning of stainless steel, chrome, copper and ceramic Use with liquid detergents

Bear-Tex Sponge Pads

Bear-Tex material is laminated to a top quality, long-lasting sponge for the convenience of 2 pads in one.

SIZE W X L X T	COLOR	NAME	ABRASIVE	GRIT SIZE	STD. PKG.	GOOD PRODUCT NO.	UPC NO.
3-1/4 x 6-1/4 x 3/4	White/Yellow	Clean-N-Sponge Pad	Non-Abrasive	Non-Abrasive	40	875	66261059402
3-1/4 x 6-1/4 x 3/4	Green/Yellow	Scour-N-Sponge Pad	Aluminum Oxide	Very Fine	40	893	66261059403

Bear-Tex Abrasive Brushes

Tough, flexible nylon filaments embedded with abrasive grain form the bristles of these brushes. Use Bear-Tex abrasive brushes where maximum conformability is needed.



RIGHT ANGLE GRINDER

SIZE D X R X H*	ABRASIVE	GRIT	MAX. RPM	STD. PKG.	GOOD UPC NO.
7 x 1 x 7/8	Silicon Carbide Silicon Carbide	80 120	6,000	5	66261058830 66261058834

*DIAMETER X RIM WIDTH X HOLE

Air-Cooled Rubber Back-up Pad and Retainer Nut for Abrasive Brushes

DESCRIPTION	MAX. RPM	STD. PKG.	UPC NO.
7" Medium Pad	7,000	5	63642543422
#103 Retainer Nut	—	10	63642543463

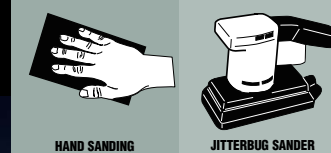


TECHtip

■ Bear-Tex products are non-metallic, won't rust and are an ideal replacement for steel wool.

⚠ It is the user's responsibility to comply with safety regulations.

BEAR-TEX SURFACE FINISHING PRODUCTS



Bear-Tex Rolls

Rolls may be cut for use in jitterbug sanding or on hand sanding applications. Rolls have the durability for indexing machine applications.

Typical Applications

- Light deburring
- Cleaning
- Finishing
- Applying decorative finishes



BEST Bear-Tex High Strength Rolls – For light deburring and finishing

FEATURES	BENEFITS
• Premium aluminum oxide grain	• Clean cutting and long lasting
• Firm, durable web; strong resin binders	• High resistance to tearing on burrs and sharp edges
• Smear-proof	• Produces light satin finishes

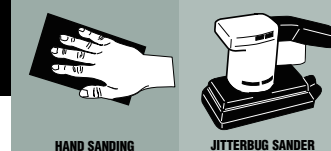
BETTER Bear-Tex Fast Cut Rolls – Fast initial cut, flexible

FEATURES	BENEFITS
• Premium aluminum oxide grain	• Clean cutting and long lasting
• Fast initial cut	• Less pressure needed
• Conformable	• Able to get into intricate shapes and follow contours, user-friendly
• Improved base adhesion	• Improved cut rate

BETTER Bear-Tex Clean & Blend Rolls – For general purpose use

FEATURES	BENEFITS
• High quality, aluminum oxide or silicon carbide grain	• Long product life
• Uniform web construction	• Controlled aggressiveness
• Can be cut to exact sizes needed	• Economical; minimal waste

SIZE (W X L)	COLOR	NAME	ABRASIVE	GRIT	STD. PKG.	BEST	BETTER
						UPC NO.	UPC NO.
4" x 30 Ft.	Maroon	High Strength	A/O	Medium	3	66261006358	66261010081 66261058364 66261058361 66261051701
	Tan	Fast Cut	A/O	Medium	3		
	Maroon	Clean & Blend	A/O	Fine	4		
	Maroon	Clean & Blend	A/O	Very Fine	4		
	Maroon	Fast Cut GP	A/O	Very Fine	4	66261006373	66261058360 66261058357 66261052235
	Maroon	High Strength	A/O	Very Fine	4		
	Gray	Clean & Blend GP	S/C	Very Fine	4		
	Gray	Clean & Blend	S/C	Ultra Fine	5		
	White	T- Polishing	None	Non-Abrasive	3		
	Maroon	High Strength	A/O	Medium	2		
Maroon	Clean & Blend	A/O	Very Fine	3			
6" x 30 Ft.	Maroon	Fast Cut GP	A/O	Very Fine	3	66261004281	66261058377
	Maroon	High Strength	A/O	Very Fine	3		
	Maroon	Clean & Blend GP	S/C	Very Fine	3		
	Gray	Clean & Blend GP	S/C	Very Fine	3		



HAND SANDING

JITTERBUG SANDER

Bear-Tex Roll Assortment

Bear-Tex rolls may be cut for use in jitterbug sanding or on hand sanding applications. This convenient dispenser box contains three 2 inch wide x 15 foot long rolls. Each roll is a different grit.

BETTER
UPC NO. 66261008108



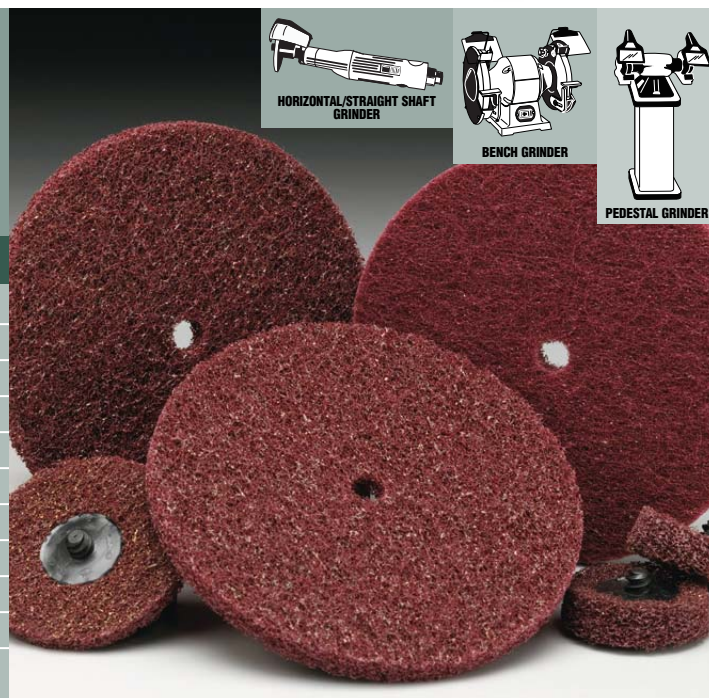
SIZE W X L	ABRASIVE	GRIT	STD. PKG.	UPC NO.
Three Rolls 2" x 15 ft. (One of Each Specification)	Aluminum Oxide Aluminum Oxide Silicon Carbide	Fine Very Fine Micro Fine	1	66261008108

Bear-Tex High Strength Discs

Made of non-woven nylon web impregnated with abrasive grain and resin for use in a variety of deburring and finishing applications.

Typical Applications

- 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



HORIZONTAL/STRAIGHT SHAFT GRINDER

BENCH GRINDER

PEDESTAL GRINDER

BEST Bear-Tex High Strength Discs – For light deburring and finishing	
FEATURES	BENEFITS
• Premium aluminum oxide grain	• Clean cutting and long lasting
• 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 resin binders	• Highly smear-resistant
• Smear-proof	• Produces light satin finishes
• 2" and 3" with Speed-Lok TR fastener	• Quick, tool-free disc changes allow for more grinding time

SIZE D X H	ABRASIVE	MAX. RPM	STD. PKG.	BEST UPC NO.
BEAR-TEX HIGH STRENGTH DISCS				
2" Speed-Lok TR	A/O Medium High Strength	12,000	160	66261014792
3" Speed-Lok TR	A/O Medium High Strength	12,000	80	66261014793
6 x 1/4	A/O Very Fine High Strength	4,000	70	66261007628
6 x 1/2	A/O Medium High Strength A/O Very Fine High Strength	4,000	70	66261005073 66261004980
8 x 1/2	A/O Medium High Strength A/O Very Fine High Strength	3,000	50	66261005491 66261004506
12 x 1-1/4	A/O Very Fine High Strength	1,900	25	66261008723

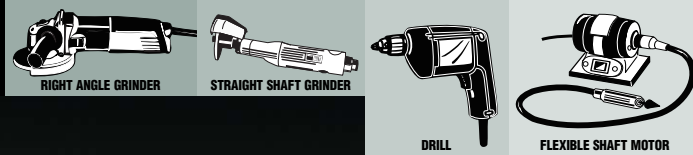
TECHtips

Use 2" back-up pad with 3" Speed-Lok TR High Strength discs to work on edge for added flexibility.

It is the user's responsibility to comply with safety regulations.

See “Mandrel Assemblies” on page 110 when using these discs on edge.

BEAR-TEX SURFACE FINISHING



Bear-Tex Rapid Strip Discs And Depressed Center Wheels

An open web of thick, strong synthetic fibers and extra coarse abrasive, bonded together by a smear-resistant adhesive allows cleaning and conditioning of a multitude of materials, quickly and easily with little loading.

Typical Applications

- Removal of surface rust and residue, corrosion, light weld splatter, dirt, mill scale and other similar surface contaminants
- Paint and epoxy coating removal
- Surface prep before coatings are applied
- Surface prep before welding
- Cleaning and conditioning after welding



BEST Bear-Tex Rapid Strip Discs and Depressed Center Wheels

FEATURES	BENEFITS
• Open web construction	• Fast cutting action with very little loading
• Conformable	• Follow difficult part profiles
• Thick, strong, synthetic fibers and extra coarse grit	• Easy cleaning of uneven surfaces
• Used with portable tools	• Quick cleaning and conditioning of surfaces
• 2" and 3" discs with Speed-Loc TR fastener	• Easy and safe to use especially in difficult to reach areas
• 4" TR+ discs	• Quick, tool-free disc changes allow for more grinding time
	• Quick-change replacement; can be used on face and edge

SIZE D X H	ABRASIVE	GRIT	MAX. RPM	STD. PKG.	BEST UPC NO.
BEAR-TEX RAPID STRIP DISCS					
2" Speed-Lok TR	Silicon Carbide	Extra Coarse	15,500	10	66261013402
3" Speed-Lok TR	Silicon Carbide	Extra Coarse	12,000	10	66261013403
4" Speed-Lok TR+	Silicon Carbide	Extra Coarse	8,000	10	66261016580
4 x 1/4	Silicon Carbide	Extra Coarse	8,000	25	66261008008
4 x 1/2	Silicon Carbide	Extra Coarse	8,000	25	66261007916
6 x 1/2	Silicon Carbide	Extra Coarse	5,500	15	66261008051
BEAR-TEX RAPID STRIP DEPRESSED CENTER WHEELS					
4-1/2 x 5/8-11	Silicon Carbide	Extra Coarse	12,000	10	66261009585
4-1/2 x 7/8	Silicon Carbide	Extra coarse	12,000	10	66261009649
7 x 5/8-11	Silicon Carbide	Extra Coarse	8,000	10	66261009650
7 x 7/8	Silicon Carbide	Extra Coarse	8,000	10	66261009586

See page 115 for Speed-Lok back-up pads.

Ask about our new Rapid Finish Depressed Center Wheels for light scale removal, polishing stainless steel, paper rolls and molds. Non-stock available now; stock available 2nd QTR 2007.

Mandrel Assemblies for Rapid Strip Discs and Discs-On-Edge

FITS HOLE	FOR DISC WIDTH	FOR DISC DIAMETER	SHANK DIAMETER	OVERALL LENGTH	WASHER DIAMETER	STD. PKG.	UPC NO.
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





AVOS Edger Speed-Lok Bear-Tex Discs

Made of non-woven nylon web impregnated with abrasive grain and resin for use in a variety of applications. Choose one of three grit specifications to achieve the best results for your application.

Typical Applications

- Light deburring
- Cleaning and rust removal
- Finishing, polishing and paint preparation

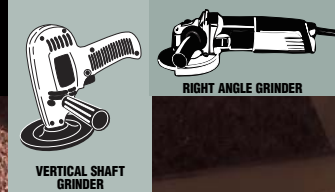


BETTER AVOS – Allows View Of Surface – Edger Speed-Lok Bear-Tex Discs	
FEATURES	BENEFITS
• Patented hole design	• Allows interrupted cut which reduces heat up to 30% over standard round discs • Cool cutting results in longer disc life • Provides complete vision into the grinding zone • Operators can grind more accurately with less re-work
• Scooped holes	• Create air flow to pull loose abrasive and swarf away from work surface grinding zone – resulting in extended disc life
• 15 degree angle back-up pad	• Grinding at 5°-15° angle allows greater utilization of disc surface • Eliminates gouging of workpiece
• Coarse removes 60 – 120 grit grindlines	• For light deburring
• Medium removes 120 – 180 grit grindlines	• For cleaning and rust removal
• Very Fine removes 180 – 320 grit grindlines	• For finishing, polishing and paint preparation



See page 54 for AVOS back-up pads.

SIZE	GRIT	STD. PKG.	BETTER
			UPC NO.
AVOS EDGER SPEED-LOK BEAR-TEX DISCS			
4-1/2 Edger Speed-Lok	A/O Coarse	40	66261010447
	A/O Medium		66261010448
	A/O Very Fine		66261010449
5 Edger Speed-Lok	A/O Coarse	40	66261009427
	A/O Medium		66261009428
	A/O Very Fine		66261009429
7 Edger Speed-Lok	A/O Coarse	40	66261009430
	A/O Medium		66261009431
	A/O Very Fine		66261009432



VERTICAL SHAFT GRINDER

RIGHT ANGLE GRINDER

Bear-TEX Surface Blending STE and SCF Discs and Belts

Norton Bear-TEX surface blending material is now available in all three tiers. With four different stock product lines, and grit sizes of extra coarse to very fine, STE and SCF discs and belts perform well under a wide range of applications: from removing engine gaskets, and deburring of aluminum and steel, to finishing nickel alloy turbine blades.

Typical Applications

- Removing surface defects
- Removing light edge burrs, parting lines or flashing
- Removing rust, oxides, corrosion, paints and scale
- Cleaning molds
- Blending mill marks, tool marks, uneven edges and coated abrasive finish



Bear-TEX STE and SCF Discs and Belts

FEATURES

- Color-coded grit sizes
- Conformable
- Uniform, thorough abrasive coating
- Disc configurations: Hook and Loop; TR and TS Speak-Lok
- Belt configurations: up to 37" width; Plyweld, butt joint; low stretch backing available in several product lines

BENEFITS

- Easy identification and matching of product with application and finish requirement
- Conform to workpiece; forgiving
- Consistent finish
- Can be used on a wide variety of industrial and commercial tools
- Speed-Lok provides quick and easy on and off

STE Product Lines

BEST Bear-TEX STE-CS Discs – Work best on harder materials

FEATURES

- Closed structure
- Very sharp abrasive grain
- Rigid, low stretch backing
- Extra Coarse and Medium stock grit sizes

BENEFITS

- Long lasting
- High, continuous cut rate
- Excellent performance on hard materials (steels, nickel, alloys, etc.)
- Two degrees of aggressiveness and surface finishing

GOOD Bear-TEX STE Discs and Belts – Ideal for soft materials and low force applications

FEATURES

- Open structure
- High abrasive content
- Flexible backing
- Coarse, Medium and Very Fine stock grit sizes

BENEFITS

- Resists loading on softer materials (aluminum, gaskets, etc.)
- Fast initial cut rate
- Conformable
- Three degrees of aggressiveness and surface finishing



RIGHT ANGLE GRINDER



VERTICAL SHAFT GRINDER

Bear-Tex Surface Blending STE and SCF Discs and Belts (CONTINUED)

SCF Product Lines

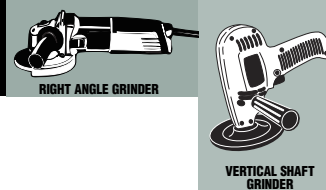
BETTER Bear-Tex SCF-NP Discs and Belts – Great multi-purpose product	
FEATURES	BENEFITS
• Slightly open structure	• Resists loading and chunking
• High abrasive content	• Continuous cut rate on soft (e.g. aluminum) and hard materials (e.g. steels and nickel alloys)
• Firm backing	• Low stretch
• Coarse, Medium and Very Fine stock grit sizes	• Three degrees of aggressiveness and surface finishing

GOOD Bear-Tex SCF Discs and Belts – Designed for high-force applications	
FEATURES	BENEFITS
• Closed structure	• Very long lasting on high pressure applications
• Coarse, Medium and Very Fine stock grit sizes	• Three degrees of aggressiveness and surface finishing

Bear-Tex Surface Blending STE and SCF Discs

SIZE	ABRASIVE	GRIT SIZE	STD. PKG.	GOOD STE	BETTER SCF-NP	GOOD SCF
				UPC NO.	UPC NO.	UPC NO.
WITH HOOK AND LOOP FASTENING SYSTEM						
2" Blank	A/O	Coarse	80			66261004431
	A/O	Medium				66261004441
	A/O	Very Fine				66261004451
3" Blank	A/O	Coarse	60	66261055015		66261004432
	A/O	Medium		66261055016		66261004442
	A/O	Very Fine				66261004452
4" Blank	A/O	Coarse	40	66261055018		66261004433
	A/O	Medium		66261055019		66261004443
	A/O	Very Fine				66261004453
4-1/2" Blank	A/O	Coarse	40		66261017806	66261004434
	A/O	Medium			66261017807	66261004444
	A/O	Very Fine				66261004454
5" Blank	A/O	Coarse	40	66261055021	66261017808	66261004435
	A/O	Medium		66261055022	66261017809	66261004445
	A/O	Very Fine				66261004455
6" Blank	A/O	Coarse	30	66261055024	66261017810	66261006910
	A/O	Medium		66261055025	66261017811	66261006911
	A/O	Very Fine				66261006912
7" Blank	A/O	Coarse	25	66261055027	66261017812	66261004436
	A/O	Medium		66261055028	66261017813	66261004446
	A/O	Very Fine				66261004456
8" Blank	A/O	Coarse	20			66261006913
	A/O	Medium				66261006914
	A/O	Very Fine				66261006915

If you do not see the STE or SCF disc you need in our stock offering, call your local Norton distributor to check for made-to-order availability.



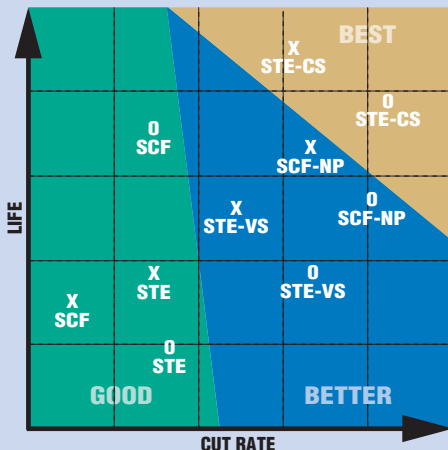
Bear-Tex Surface Blending STE and SCF Discs (CONTINUED)

SIZE	ABRASIVE	GRIT SIZE	STD. PKG.	BEST	GOOD	BETTER	GOOD			
				STE-CS	STE	SCF-NP	SCF			
				UPC NO.	UPC NO.	UPC NO.	UPC NO.			
WITH SPEED-LOK TS FASTENING SYSTEM										
2" Speed-Lok	A/O	Extra Coarse	50	66261017819	66261009183	66261017820	66261004439			
	A/O	Coarse						66261009182	66261004449	
	A/O	Medium						66261017528	69957397888	66261004459
	A/O	Very Fine						66261009181		
3" Speed-Lok	A/O	Extra Coarse	25	66261017818	66261009186	66261017822	66261004440			
	A/O	Coarse						66261009185	66261004450	
	A/O	Medium						66261017817	69957397889	66261004460
	A/O	Very Fine						66261009184		
4" Speed-Lok	A/O	Coarse	25				66261055349			
	A/O	Medium					66261055350			
WITH SPEED-LOK TR FASTENING SYSTEM										
2" Speed-Lok	A/O	Extra Coarse	50	66261016373	66261009191•	66261017597	66261004437			
	A/O	Coarse						66261009190•	66261004447	
	A/O	Medium						66261016763	69957397890	66261004457
	A/O	Very Fine						66261009189•		
3" Speed-Lok	A/O	Extra Coarse	25	66261016994	66261009194	66261017521	66261004438			
	A/O	Coarse						66261009193	66261004448	
	A/O	Medium						66261016995	69957397891	66261004458
	A/O	Very Fine						66261009192		
4" Speed-Lok	A/O	Coarse	25				66261008822			
	A/O	Medium					66261008821			
	A/O	Very Fine					66261008820			

• PACKAGING STANDARDS: 2" STE TR DISCS STD. PKG. = 25

SPECcheck

STE/SCF Disc and Belt Performance



O = HIGH FORCE APPLICATIONS
X = LOW FORCE APPLICATIONS

SCF – very closed structure, similar to a supersized product; designed for high-force applications.

SCF-NP – great multi-purpose product; works well on soft and hard materials, low-and high-force applications.

STE – more open structure; sharper feeling than SCF; works well on soft materials and low force applications.

STE-VS – low stretch backing; generally more aggressive and longer lasting than STE (non-stock only).

STE-CS – aggressive, closed structure, very sharp; works best on harder materials, low-and high-force applications.



Surface Finish



Back-up Pads for Bear-Tex Discs

PAD DIAMETER	SPINDLE OR HOLE SIZE	MAX. RPM	3M EQUIVALENT	STD. PKG.	UPC NO.
BACK-UP PADS FOR HOOK & LOOP DISCS					
2	1/4 Steel Shank	23,000	922	5	66261059352
3	1/4 Steel Shank	20,000	923	5	66261059354
4	1/4 Steel Shank	18,000	924	5	66261059356
	1/2-13	13,000	914		66261059303
	5/8-11		914		66261059304
	M10 x 1.250				66261059305
4-1/2	5/8-11	10,000	9145	5	66261006948
5	5/16-24 Male	10,000	905	5	66261059360
	3/8-24 Male		905		66261059308
	5/8-11		915		66261059310
6	5/8-11	8,000	916		66261059312
7	5/8-11	6,000	917	5	66261059368
8	5/8-11	4,500	918	5	66261059372

*FOR RANDOM ORBITAL SANDERS ONLY.

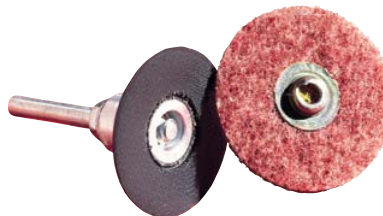


PAD DIAMETER	DESCRIPTION	MAX. RPM	STD. PKG.	UPC NO.
BACK-UP PADS FOR SPEED-LOK DISCS				
2	Hard Speed-Lok TS Back-up Pad	30,000	10	63642543205
	Medium Speed-Lok TS Back-up Pad	25,000	10	63642543210
	Medium Speed-Lok TR Back-up Pad	25,000	10	66261055103
3	Hard Speed-Lok TS Back-up Pad	20,000	10	63642543220
	Medium Speed-Lok TS Back-up Pad	20,000	10	63642543225
	Hard Speed-Lok TR Back-Up Pad	20,000	10	63642804900
	Medium Speed-Lok TR Back-up Pad	20,000	10	66261055105
4	Medium Speed-Lok TS Back-up Pad	12,000	10	66261043232
	Hard Speed-Lok TR Back-up Pad	12,000	10	63642502912
	Medium Speed-Lok TR Back-Up Pad	12,000	10	66261047581
	Speed-Lok TR+ Back-up Pad	8,000	1	66261016581

BEAR-TEX DISC ATTACHMENT SYSTEMS



SURFACE BLENDING STE AND SCF DISCS FEATURE A HOOK & LOOP FASTENING SYSTEM.



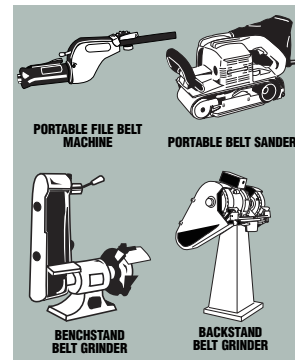
SPEED-LOK TS DISCS ARE COMPATIBLE WITH THE NORTON SPEED-LOK TS AND STANDARD ABRASIVES QUICK CHANGE FASTENING SYSTEMS.



SPEED-LOK TR DISCS ARE COMPATIBLE WITH THE NORTON SPEED-LOK TR AND 3M ROLOC FASTENING SYSTEMS.

Bear-Tex Surface Blending STE and SCF Belts

SIZE	ABR.	GRIT SIZE	STD. PKG.	GOOD STE	BETTER SCF-NP	GOOD SCF
				UPC NO.	UPC NO.	UPC NO.
1/2 x 18	A/O	Coarse	24	66261055309	66261017508	66261009048
	A/O	Medium		66261055310	66261017683	66261008814
	A/O	Very Fine		66261055311		66261006762
1/2 x 24	A/O	Coarse	24	66261055312	66261017684	
	A/O	Medium		66261055313	66261017553	66261008972
	A/O	Very Fine		66261055314		
3/4 x 18	A/O	Coarse	12		66261017824	66261008813
	A/O	Medium			66261017825	66261006546
3-1/2 x 15-1/2	A/O	Coarse	8	66261055324	66261017681	
	A/O	Medium		66261055325	66261017682	
	A/O	Very Fine		66261055326		
6 x 48	A/O	Coarse	4	66261055330	66261017826	
	A/O	Medium		66261055331	66261017827	
	A/O	Very Fine		66261055332		
2 x 132	A/O	Coarse	6		66261017512	
	A/O	Medium			66261017513	66261008492
3 x 132	A/O	Coarse	2		66261017831	
	A/O	Medium			66261017832	



If you do not see the STE or SCF belt you need in our stock offering, call your local Norton distributor to check for made-to-order availability.

SPECcheck

Starting Recommendations

HEAVY DUTY CLEANING/ BLENDING	DEBURRING	CLEANING/ BLENDING	FINISHING
Extra Coarse (Brown)	Coarse (Brown)	Medium (Maroon)	Very Fine (Blue)

TECHtips

- For removing 60 to 120 grit grindlines – use coarse grit (brown)
- For removing 120 to 180 grit grindlines – use medium grit (maroon)
- For removing 180 to 320 grit grindlines – use very fine grit (blue)



It is the user's responsibility to comply with safety regulations.

Bear-Tex Flap Wheels

A very conformable Bear-Tex product, flap wheels provide a cushioning action which is ideal for use on uneven or irregular surfaces as well as flat areas.

Typical Applications

- Cleaning threaded parts
- Removing oxide from printed circuit boards
- De-glossing plastic parts
- Producing uniform finishes on aluminum, brass and stainless steel
- Can be used on automatic and robotic equipment



BEAR-TEX SURFACE FINISHING PRODUCTS

Bear-Tex Spindle-Mounted Flap Wheels

Interleaf flap wheels consist of alternating flaps of aluminum oxide coated abrasive cloth and medium grit Bear-Tex material. The interleaf product is less conformable than a standard Bear-Tex flap wheel and will remove more material.



SIZE D X T X SPINDLE	BEAR-TEX ABRASIVE/ GRIT	MAX. RPM	STD. PKG.	BETTER	
				UPC NO.	
BEAR-TEX FLAP WHEELS – SPINDLE-MOUNTED					
2 x 1 x 1/4" Spindle	A/O Medium A/O Very Fine	12,000	20	66261051716 66261051717	
3 x 1 x 1/4" Spindle	A/O Medium A/O Very Fine	12,000	20	66261051718 66261051719	
3 x 2 x 1/4" Spindle	A/O Medium	8,000	10	66261058474	

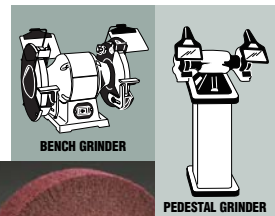


SIZE D X T X SPINDLE	COATED ABRASIVE/ GRIT	MAX. RPM	STD. PKG.	BETTER	
				UPC NO.	
BEAR-TEX INTERLEAF FLAP WHEELS – SPINDLE-MOUNTED					
2 x 1 x 1/4" Spindle	A/O 60 A/O 80 A/O 120	12,000	20	66261051720 66261051721 66261051722	
3 x 1 x 1/4" Spindle	A/O 120	12,000	20	66261051725	



Bear-Tex Flap Wheels

SIZE D X T X H	BEAR-TEX ABRASIVE/ GRIT	DENSITY	MAX. RPM	STD. PKG.	BETTER	
					UPC NO.	
BEAR-TEX FLAP WHEELS						
6 x 1 x 2	A/O Medium A/O Fine S/C Fine S/C Very Fine	Medium Medium Medium Medium	3,000	4	66261058456 66261058487 66261058451 66261058450	
8 x 1 x 3	A/O Fine	Medium	2,500	3	66261058491	
8 x 2 x 3	A/O Medium A/O Fine	Hard Medium	2,500	2	66261000889 66261058493	
12 x 2 x 5	A/O Med. High Strength	Medium	1,900	1	66261005070	



SIZE D X T X H	COATED ABRASIVE/ GRIT	DENSITY	MAX. RPM	STD. PKG.	BETTER	
					UPC NO.	
BEAR-TEX INTERLEAF FLAP WHEELS						
6 x 1 x 2	A/O 80 A/O 120 A/O 180	Medium Medium Medium	3,000	4	66261004418 66261007678 66261005387	
8 x 1 x 3	A/O 120	Medium	2,500	3	66261010711	
12 x 1 x 5	A/O 80 A/O 120 A/O 180	Medium Medium Medium	1,900	2	66261010712 66261004667 66261004666	



Refer to "Bear-Tex Convolute Wheels" section, for flap wheel reducing bushings.

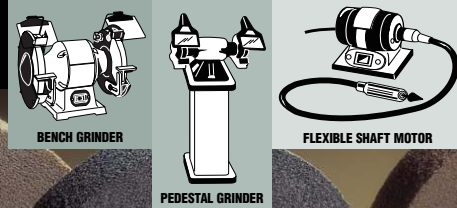
TECHtips

Interleaf flap wheels must always be run in the direction indicated by the arrow printed on the product.



It is the user's responsibility to comply with all safety regulations.

BEAR-TEX SURFACE FINISHING PRODUCTS



Bear-Tex 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 from heavy burr removal to cleaning rust and oxides.

Typical Applications

- 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



BEST Bear-Tex Clean & Finish Wheels – Fine finish 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



BEST Bear-Tex Surface Finishing Wheels – Uniform finish with moderate pressure

FEATURES	BENEFITS
• Stronger web	• More aggressive cutting action and more durability than Clean & Finish wheels
	• Ideal for rust and paint removal, coarse, decorative finishes and blending



BEST Bear-Tex Metal Finishing Wheels – Light deburring, blending, 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 light deburring 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

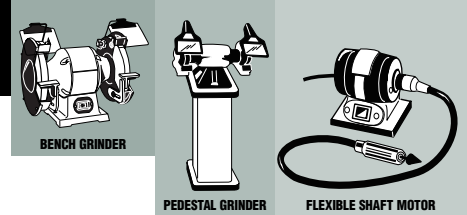


BEST Bear-Tex Series 1000 Wheels – General deburring, blending and finishing

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 (6 density)	• Smear-proof and cool cutting on light deburring applications
• Waterproof	• Use dry, wet or with oil
• Non-metallic	• No contamination of workpiece
• Long Life; 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



new!



Bear-Tex Convolute Wheels (CONTINUED)

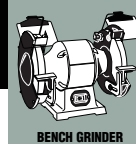
BEST Bear-Tex Series 2000 Wheels – For deburring of heat sensitive metals	
FEATURES	BENEFITS
<ul style="list-style-type: none"> Advanced resin bond system 	<ul style="list-style-type: none"> Consistent, high quality results Smear-proof Cool cutting where heat generation must be kept to a minimum
<ul style="list-style-type: none"> Conformable and flexible 	<ul style="list-style-type: none"> Eliminates “over cut” or gouging on titanium products like prostheses and aerospace turbine blades



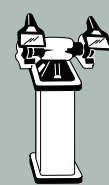
BEST Bear-Tex Series 4000 Wheels – Ideal for heavy deburring applications	
FEATURES	BENEFITS
<ul style="list-style-type: none"> Advanced resin bond system 	<ul style="list-style-type: none"> Free cutting
<ul style="list-style-type: none"> High quality synthetic web 	<ul style="list-style-type: none"> Use both wet and dry Long life for heavy deburring, edge breaking and removing parting lines on exotic metals



SIZE D X T X H	ABRASIVE	GRIT	MAX. RPM	STD. PKG.	BEST
					UPC NO.
BEAR-TEX CLEAN & FINISH CONVOLUTE WHEELS					
4 x 1 x 1	Silicon Carbide Silicon Carbide	Medium Fine	4,000	10	66261058502 66261058501
6 x 1 x 1	Silicon Carbide Silicon Carbide	Medium Fine	3,000	4	66261058507 66261058506
6 x 2 x 1	Silicon Carbide Silicon Carbide	Medium Fine	3,000	2	66261058510 66261058509
6 x 3 x 1	Silicon Carbide	Medium	3,000	1	66261058512
6 x 4 x 1	Silicon Carbide	Medium	3,000	1	66261058514
8 x 1 x 3	Silicon Carbide	Medium	2,500	3	66261058518
8 x 2 x 3	Silicon Carbide	Medium	2,500	2	66261058521
8 x 3 x 3	Silicon Carbide	Medium	2,500	1	66261058524
8 x 4 x 3	Silicon Carbide	Medium	2,500	1	66261058526
BEAR-TEX SURFACE FINISHING CONVOLUTE WHEELS					
6 x 1 x 1	Aluminum Oxide Silicon Carbide	Medium Coarse	4,500	4	66261058550 66261058553
6 x 2 x 1	Silicon Carbide	Medium	4,500	2	66261058560
12 x 2 x 5	Silicon Carbide	Coarse	2,500	1	66261058574
BEAR-TEX METAL FINISHING CONVOLUTE WHEELS					
6 x 1 x 1	Aluminum Oxide	5AM 6AM	6,000	3	66261007936 66261010148
6 x 2 x 1	Aluminum Oxide	5AM 6AM	6,000	2	66261007957 66261009635
8 x 1 x 3	Aluminum Oxide	5AM	4,500	3	66261007831
8 x 2 x 3	Aluminum Oxide	5AM 6AM	4,500	2	66261007904 66261012971
12 x 1 x 5	Aluminum Oxide	5AM 6AM	3,000	2	66261007434 66261009481
12 x 2 x 5	Aluminum Oxide	5AM	3,000	1	66261007212
14 x 2 x 8	Aluminum Oxide	5AM 6AM	2,550	1	66261007817 66261012041



BENCH GRINDER



PEDESTAL GRINDER



FLEXIBLE SHAFT MOTOR

Bear-Tex Convolute Wheels (CONTINUED)

B442-XHD – A closed mesh, very dense product that yields fast cut rates while producing fine finishes. Best when used with heavy pressure and high speeds.

**BEST
B442-XHD**

SIZE D X T X H	ABRASIVE	GRIT	MAX. RPM	STD. PKG.	UPC NO.
BEAR-TEX B442-XHD CONVOLUTE WHEELS					
6 x 1/2 x 1	Silicon Carbide	Fine	6,000	4	66261054908
6 x 1 x 1	Silicon Carbide	Fine	6,000	3	66261058700
8 x 1 x 3	Silicon Carbide	Fine	4,500	3	66261058710
10 x 2 x 5	Silicon Carbide	Fine	3,600	1	66261002302
12 x 1 x 5	Silicon Carbide	Fine	3,000	2	66261058730
12 x 2 x 5	Silicon Carbide	Fine	3,000	1	66261058732

**BEST
SERIES 1000**

SIZE D X T X H	ABRASIVE	GRIT	MAX. RPM	STD. PKG.	6 DENSITY UPC NO.	7 DENSITY UPC NO.	8 DENSITY UPC NO.	9 DENSITY UPC NO.
BEAR-TEX SERIES 1000 CONVOLUTE WHEELS								
6 x 1/2 x 1	Silicon Carbide Silicon Carbide	Medium Fine	6,000	4		66261055222	66261055248	66261055370 66261055272
6 x 1 x 1	Aluminum Oxide Aluminum Oxide Silicon Carbide Silicon Carbide Silicon Carbide	Medium Fine Medium Fine Very Fine	6,000	3	66261055205 66261055204 66261055202 66261055201 66261055200	66261055226 66261055225 66261055224 66261055223	66261055252 66261055251 66261055250 66261055249	66261055371 66261055273
6 x 2 x 1	Aluminum Oxide Silicon Carbide Silicon Carbide	Medium Medium Fine	6,000	2	66261055206	66261055229 66261055228 66261055227		66261055274
8 x 1 x 3	Aluminum Oxide Aluminum Oxide Silicon Carbide Silicon Carbide	Medium Fine Medium Fine	4,500	3	66261055209 66261055208 66261055207	66261055232 66261055231 66261055230	66261055257 66261055256 66261055255	66261055372 66261055275
8 x 2 x 3	Aluminum Oxide Silicon Carbide Silicon Carbide	Medium Medium Fine	4,500	2		66261055235 66261055234 66261055233	66261055259	66261055276
10 x 1 x 5	Aluminum Oxide Silicon Carbide	Medium Fine	3,600	3		66261001813	66261055260	66261055277
10 x 2 x 5	Silicon Carbide	Fine	3,600	1			66261000836	66261002806
12 x 1 x 5	Aluminum oxide Silicon Carbide Silicon Carbide	Medium Medium Fine	3,000	2		66261055239 66261055215	66261055264	66261055373 66261055278
12 x 2 x 5	Aluminum Oxide Silicon Carbide Silicon Carbide	Medium Medium Fine	3,000	1		66261055243 66261055240	66261055266 66261055265	66261055374 66261055279
14 x 1 x 8	Silicon Carbide	Medium	2,550	2	66261008722			66261002114
14 x 2 x 8	Silicon Carbide Silicon Carbide	Medium Fine	2,550	1			66261055270	66261055281

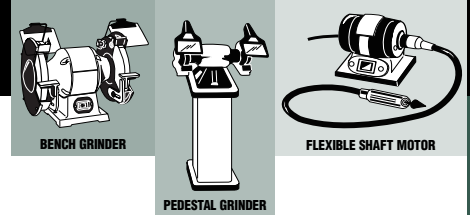
TECHtips

If you do not see the Convolute Wheel you need in our stock listing, call your local Norton distributor to check for made-to-order availability.

- 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 comply with all safety regulations.



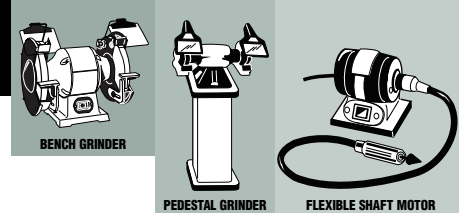
Bear-Tex Convolute Wheels (CONTINUED)

SIZE D X T X H	ABRASIVE	GRIT	MAX. RPM	STD. PKG.	BEST SERIES 1000 LONG LIFE		
					7 DENSITY UPC NO.	8 DENSITY UPC NO.	9 DENSITY UPC NO.
BEAR-TEX SERIES 1000 LONG LIFE CONVOLUTE WHEELS							
6 x 1/2 x 1	Aluminum Oxide	Medium	6,000	4	66261018857	66261018789	66261018650
	Silicon Carbide	Medium					66261019540
	Silicon Carbide	Fine					66261018629
6 x 1 x 1	Aluminum Oxide	Medium	6,000	3	69957397884	66261018636	66261019337
	Silicon Carbide	Medium					66261018630
	Silicon Carbide	Fine					66261018632
8 x 1 x 3	Aluminum Oxide	Medium	4,500	3	69957397885	66261018855	66261018633
	Silicon Carbide	Medium					66261018997
	Silicon Carbide	Fine					66261018641
12 x 1 x 5	Aluminum Oxide	Medium	3,000	2	69957397887	66261018786	66261018896
	Silicon Carbide	Medium					66261018908
	Silicon Carbide	Fine					66261018626



SIZE D X T X H	ABRASIVE	GRIT	MAX. RPM	STD. PKG.	BEST		
					6 DENSITY UPC NO.	8 DENSITY UPC NO.	9 DENSITY UPC NO.
BEAR-TEX SERIES 2000 CONVOLUTE WHEELS							
6 x 1 x 1	Silicon Carbide	Fine	4,800	3		66261013055	
6 x 2 x 1	Silicon Carbide	Fine	4,800	2		66261013056	
8 x 1 x 3	Silicon Carbide	Fine	3,600	3	66261013057		
12 x 2 x 5	Silicon Carbide	Fine	2,400	1		66261013060	
BEAR-TEX SERIES 4000 CONVOLUTE WHEELS							
6 x 1/2 x 1	Silicon Carbide	Fine	6,000	4			66261004021
6 x 1 x 1	Aluminum Oxide	Medium	6,000	3		66261004208	66261004141
	Silicon Carbide	Fine				66261004142	
8 x 1 x 3	Aluminum Oxide	Medium	4,500	3		66261004165	66261004135
	Silicon Carbide	Fine				66261004123	
12 x 1 x 5	Silicon Carbide	Fine	3,000	2		66261004284	66261004148
12 x 2 x 5	Silicon Carbide	Fine	3,000	1			66261004011

If you do not see the Convolute Wheel you need in our stock listing, call your local Norton distributor to check for made-to-order availability.



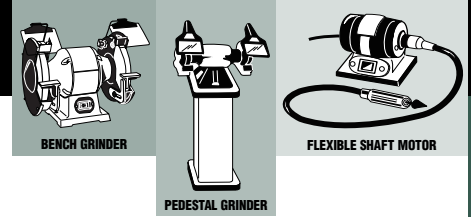
Bear-Tex Convolute Wheels (CONTINUED)

Aluminum Reducing Bushings for Flap and Convolute Wheels

- Durable, aluminum one-piece design flanges with integrated "contact washer"
- Snug fit; extended useable 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.	UPC NO.
1"	3/8"	4" thru 6"	1 Pair	63642559436
	1/2"			63642559437
	5/8"			63642559438
	3/4"			63642559439
	7/8"			63642559440
2"	1/2"	6"	1 Pair	66261059464
	5/8"			66261059466
	1"			66261059468
	1-1/4"			66261047582
3"	1"	8"	1 Pair	66261059472
	1-1/4"			66261059473
	1-1/2"			66261059474
	1-3/4"			66261159475
	2"			66261059476
5"	1"	10" and 12"	1 Pair	66261059487
	1-1/4"			66261059488
	3"			66261059491
8"	1-1/4"	14"	1 Pair	66261059496
	3"			66261059499
10"	1-1/4"	16"	1 Pair	66261059502





Bear-Tex Convolute Wheels (CONTINUED)



Troubleshooting Guide

PROBLEM	CORRECTION
Slow cut rate	Increase density Decrease wheel speed Use coarser grit
Low conformability	Decrease density Reduce pressure
Poor form holding	Increase density Decrease wheel speed Reduce pressure
Poor finish	Increase density Increase oscillation Use lubricant: - Water – fine - Water soluble – finer - Oil – finest Increase wheel speed (observe MAX. RPM)

Bear-Tex Series 1000, 1000 Long Life, 2000 and 4000 Marking System

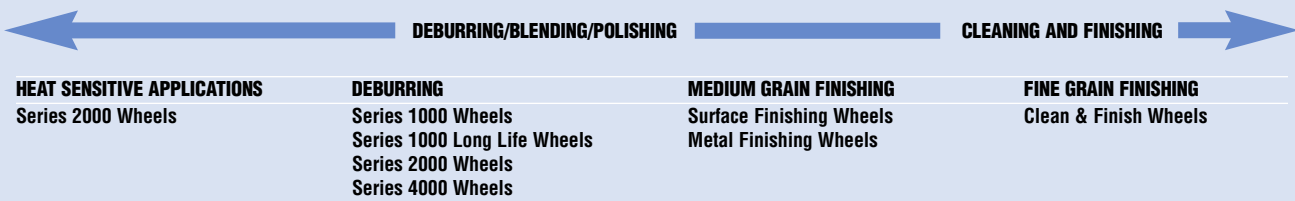
BOND SYSTEM	DENSITY	ABRASIVE	GRIT SIZE
1 = Series 1000 Series 1000 Long Life	6 = Open/Conformable 7	A = Aluminum Oxide S = Silicon Carbide	M = Medium F = Fine VF = Very Fine
2 = Series 2000 4 = Series 4000	8 9 = Dense/Durable		

Series 1000 and 1000 Long Life Wheel Starting Recommendations by Application

We recommend starting these applications with a Series 1000 Wheel.

TOOL/EQUIPMENT	APPLICATIONS / RECOMMENDED STARTING POINT			
	CLEANING	DEBURRING	BLENDING	FINISHING
PORTABLE STRAIGHT SHAFT/ STATIONARY	1-6AM, 1-7AM • General purpose cleaning • Removing rust, oxidation, corrosion, discoloration	1-9SF, B442-XHD • Removing medium to heavy burrs • Deburring die cast flashings, pipe threads, machine parts, plastic molded parts	1-7SF • Smoothing parting lines • Polishing welds, machine parts • Smoothing radii on metal parts • Blending coated abrasive scratch pattern	1-7SF • Satin finish • Cosmetic finish • Brush finish

Convolute Wheel Starting Recommendations





Bear-Tex Unified Wheels

Designed for maintenance operations needing an efficient and cost-effective method of deburring, polishing, cleaning or finishing of metals or composites.

Typical Applications

- Deburring flashings, threads, sharp edges
- Removing excessive bonding agents after curing
- Blending alloys
- Polishing sheet metal and stainless steel
- Polishing precision metal pieces and welds



Bear-Tex Unified Wheels

FEATURES

- Easily preformed
- Hold shape well
- Non-metallic
- Uniform construction

BENEFITS

- Usable on a wide variety of shapes/contours
- Less wheel dressing
- No contamination of workpiece
- Maintains part tolerance; prevents cutting or gouging

BEST Bear-Tex NEX Unified Wheels

FEATURES

- Uniform construction
- High quality, virgin nylon fiber and unique resin formulation
- Smear-resistant formula

BENEFITS

- Extra long life
- Optimal combination of cut rate, life, finish and hardness/flexibility
- Excellent, consistent, smear-free finish

BETTER Bear-Tex Deburring Unified Wheels

FEATURES

- Controlled density range

expanded offering!

BENEFITS

- More durable than General Duty wheels
- Good starting point for high speed deburring applications

GOOD Bear-Tex General Duty Unified Wheels

FEATURES

- Outstanding resistance to snagging

BENEFITS

- For general purpose light deburring applications

SPECcheck

Unified Wheel Marking System

SPECIFICATION	DENSITY	ABRASIVE	GRIT SIZE
NEX	2 – softer	A = Aluminum	XC = Extra Coarse
Unified	3	Oxide	C = Coarse
Wheel	4		M = Medium
	6	S = Silicon	F = Fine
	7	Carbide	
	8		
	9 – Harder		

Unified Wheel Starting Recommendations

APPLICATION	SPECIFICATION
Heavy Deburring	NEX-8AM or NEX 8SM
Medium Deburring	NEX-6AM or NEX-6AF
Light Deburring	NEX-2SF or NEX-2AM
Medium grain finishing	150 grit S/C Medium Density General Duty Wheel or NEX-8AC
Fine grain finishing	220 grit S/C Medium Density General Duty Wheel or NEX-6AF

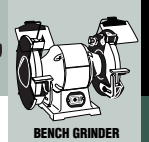


TECHtips

- Unified wheels can be run in either direction.



It is the user's responsibility to comply with all safety regulations.



Bear-Tex Unified Wheels (CONTINUED)

SIZE D X T X H	SPECIFICATION	MAX RPM	STD. PKG.	BEST NEX
				UPC NO.
BEAR-TEX NEX UNIFIED WHEELS				
1 x 1 x 3/16	NEX-2AM	35,100	50	66261014891
	NEX-2SF			66261014883
	NEX-6AF			66261014900
	NEX-6SF			66261014904
	NEX-6AM			66261014908
	NEX-8AC			66261014915
	NEX-8AM			66261014924
NEX-8SF	66261014923			
2" Speed-Lok TR	NEX-2AM	22,100	60	66261014897
	NEX-2SF			66261014889
	NEX-3SF			66261017306
	NEX-4AF			66261015328
	NEX-6AM			66261014911
	NEX-6SF			66261014906
	NEX-8AC			66261014921
NEX-8AM	66261014935			
2 x 1/8 x 1/4	NEX-8AM	22,100	60	66261014927
2 x 1/4 x 1/4	NEX-2AM	18,000	60	66261014892
	NEX-2SF			66261014884
	NEX-6AF	22,100	66261014901	
	NEX-8AC		66261014916	
	NEX-8AM		66261014926	
NEX-8SM	66261014964			
2 x 1/2 x 1/4	NEX-8AM	22,100	30	66261014925
3" Speed-Lok TR	NEX-2AM	15,100	40	66261014898
	NEX-2SF			66261014890
	NEX-3SF			66261016005
	NEX-4AF			66261015419
	NEX-6AM			66261014912
	NEX-6SF			66261014907
	NEX-8AC			66261014922
NEX-8AM	66261014936			
3 x 1/8 x 1/4	NEX-8AM	18,100	40	66261014934
3 x 1/4 x 1/4	NEX-2AM	12,100	40	66261014894
	NEX-2SF			66261014886
	NEX-3SF	18,100	66261016392	
	NEX-4AF		66261015565	
	NEX-6AF		66261014902	
	NEX-6AM		66261014909	
	NEX-8AC		66261014919	
	NEX-8AM		66261014930	
	NEX-8SM		66261014937	
3 x 1/4 x 3/8	NEX-2AM	12,100	40	66261014895
	NEX-2SF			66261014887
	NEX-3SF	18,100	66261016006	
	NEX-4AF		66261014899	
	NEX-6SF		66261014905	
	NEX-6AM		66261014910	
	NEX-8AC		66261014920	
NEX-8AM	66261014933			
NEX-8SM	66261014965			
3 x 1/2 x 1/4	NEX-2AM	12,100	20	66261014893
	NEX-2SF			66261014885
	NEX-8AC	18,100	66261014917	
	NEX-8SM		66261014928	
3 x 1/2 x 3/8	NEX-7SXC	14,100	20	66261014913
	NEX-8AC	18,100		66261014918
	NEX-8AM	66261014929		
3 x 1 x 3/8	NEX-7SXC	14,100	10	66261014914
6 x 1/2 x 1	NEX-8AM	7,500	4	66261014931
6 x 1 x 1	NEX-2AM	5,000	2	66261014896
	NEX-2SF			66261014888



Ask about our new Rapid Finish Depressed Center Unified Wheels for light scale removal, polishing stainless steel, paper rolls and molds. Non-stock available now; stock available 2nd QTR 2007.



Bear-Tex Unified Wheels (CONTINUED)

SIZE D X T X H	ABRASIVE	GRIT	MAX. RPM	STD. PKG.	BETTER
					UPC NO.
BEAR-TEX DEBURRING UNIFIED WHEELS					
2 x 1/4 x 1/4	Aluminum Oxide	220	20,000	60	66261052200
2 x 1/2 x 1/4	Aluminum Oxide	120	20,000	40	66261058876
	Silicon Carbide	220			66261058782
3 x 1/4 x 1/4	Aluminum Oxide	220	18,000	40	66261058877
	Silicon Carbide	220			66261058854
3 x 1/2 x 1/4	Silicon Carbide	220	18,000	20	66261058859
3 x 3/4 x 1/4	Aluminum Oxide	220	18,000	20	66261058881

SIZE D X T X H	ABRASIVE	GRIT	DENSITY	MAX. RPM	STD. PKG.	GOOD
						UPC NO.
BEAR-TEX GENERAL DUTY UNIFIED WHEELS						
1 x 1 x 3/16	Aluminum Oxide	80	Hard	15,000	50	66261000938
2 x 1/4 x 1/4	Aluminum Oxide	80	Hard	11,000	60	66261052275
2 x 1/2 x 1/4	Aluminum Oxide	220	Medium	11,000	40	66261058764
3 x 1/4 x 1/4	Aluminum Oxide	80	Hard	8,000	40	66261052276
	Aluminum Oxide	220	Medium			66261058816
	Silicon Carbide	220	Medium			66261000745
3 x 1/2 x 1/4	Aluminum Oxide	220	Medium	8,000	20	66261054046
	Silicon Carbide	220	Medium			66261054048
3 x 3/4 x 1/4	Aluminum Oxide	220	Medium	8,000	20	66261058769
	Silicon Carbide	150	Medium			66261058773
	Silicon Carbide	220	Medium			66261058771
6 x 1/2 x 1/2	Silicon Carbide	150	Medium	4,800	8	66261058779
6 x 1 x 1/2	Silicon Carbide	150	Medium	4,800	4	66261058792
	Silicon Carbide	220	Medium			66261058790
6 x 1 x 1	Silicon Carbide	220	Medium	4,800	4	66261058797



Mandrel Assemblies for Unified Wheels and Discs on Edge

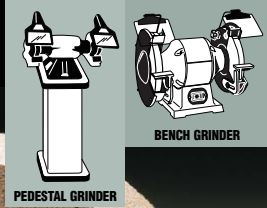
FITS WHEEL CENTER HOLE	FOR WHEEL WIDTHS	FOR WHEEL DIAMETER	SHANK DIAMETER	OVERALL LENGTH	WASHER DIAMETER	3M EQUIVALENT	STD. PKG.	UPC NO.
1/8" - 3/16"	Up to 1/2"	Up to 2"	1/8"	1-3/4"	7/16"	931	1	66261009849
3/16"	1/8" - 1/2"	1" - 2"	1/4"	2"	7/16"	994	1	66261009852
1/4" - 5/16"	Up to 1/2"	Up to 2"	1/4"	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

Threaded Mandrel for Unified Wheels

SHANK LENGTH	SHANK DIAMETER	FOR CENTER HOLE	USE WITH UNIFIED WHEEL	3M EQUIVALENT	STD. PKG.	UPC NO.
1-3/4"	1/4"	3/16	1 X 1 X 3/16	948	5	66261047584

Ask about our new Rapid Finish Depressed Center Unified Wheels for light scale removal, polishing stainless steel, paper rolls and molds. Non-stock available now; stock available 2nd QTR 2007.

BEAR-TEX SURFACE FINISHING PRODUCTS



Bear-Tex Polybond Wheels

Polybond wheels are manufactured by bonding abrasive grain into a foamed polyurethane matrix, similar to bonded grinding wheels, yet flexible and conformable.

Typical Applications

Metal Conditioning Wheels

- Heavy duty deburring applications
- High surface temperature applications
- Replacing wire brushes
- Finishing applications

Wood Finishing Wheels

- Wood mold profile sanding



BEAR-TEX SURFACE FINISHING PRODUCTS

SIZE D X T X H	SPECIFICATION	MAX. RPM	STD. PKG.	BETTER
				UPC NO.
BEAR-TEX METAL CONDITIONING POLYBOND WHEELS				
6 x 1/2 x 1-1/4	C150-H10BTM	3,600	8	66261010696
6 x 1 x 1-1/4	A40-H10BTM	3,600	4	66261006117
6 x 1 x 1-1/4	C80-F7BTM	3,600	4	66261010698
6 x 1 x 1-1/4	C240-D4BTM	2,200	4	66261010695

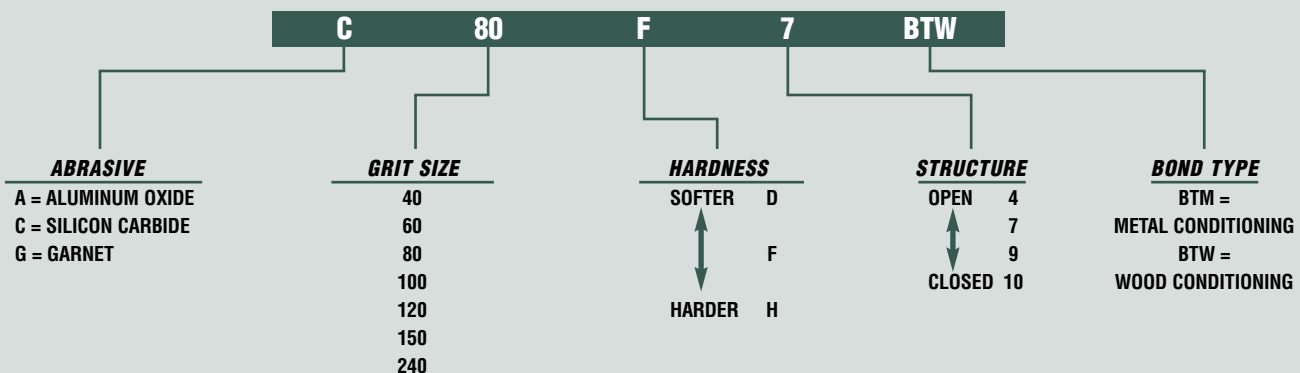


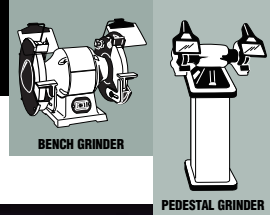
SPECcheck

Bear-Tex Metal Conditioning Polybond Wheel Starting Recommendations

All purpose finishing and polishing	C240-D4BTM
General deburring – nonferrous materials	C80-F7BTM
General deburring – nonferrous and coarse finishing	A40-H10BTM
General deburring and finishing	C150-H10BTM

Polybond Product Identification System





Bear-Tex Polybond Wheels (CONTINUED)

SIZE D X T X H	SPECIFICATION	MAX. RPM	STD. PKG.	BETTER
				UPC NO.
BEAR-TEX WOOD FINISHING POLYBOND WHEELS				
6 x 2 x 1-1/4	G60-H98TW C80-F7BTW	3,600	2	66261003833 66261009750
8 x 2 x 1-1/4	G60-H98TW C80-F7BTW G100-D7BTW	2,600	2	66261004253 66261004579 66261009846
8 x 2 x 3	G60-F7BTW G120-D7BTW	2,600 1,750	2	66261017833 66261017763

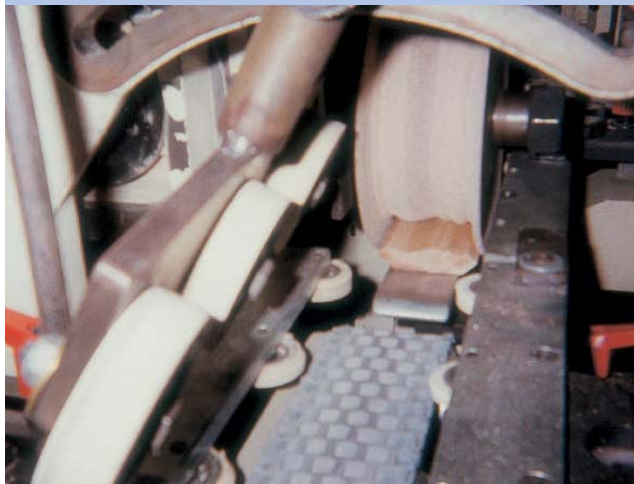


Polybond polyurethane foam wood finishing wheels provide the ideal balance between long life and profile edge holding ability – matched with fast cut rates and uncompromised finishing capability.



Bear-Tex Wood Finishing Polybond Wheel Speed Recommendation Chart

WHEEL DIAMETER	SOFT MAPLE, POPLAR, MAHOGANY, PINE, GUM SUGGESTED SFPM: 1500 – 2000	OAK, WALNUT, ROCK MAPLE, PECAN, CHERRY SUGGESTED SFPM: 900 – 1400	SYNTHETIC BOARD PRODUCTS SUGGESTED SFPM: 2000 – 2500
6"	900 – 1250 RPM	550 – 850 RPM	1300 – 1600 RPM
8"	650 – 900 RPM	400 – 600 RPM	950 – 1200 RPM



Starting Recommendations

APPLICATION	SPEC
Knife mark removal on solid wood molding	G60-F7BTW
Intermediate sanding of solid woods	G60-H98TW
Finish sanding of solid woods	C60-H98TW
Finish sanding of synthetic board products	C80-F7BTW
Sealer sanding	G100-D7BTW
Final finishing of solid wood molding	G120-D7BTW



Bear-Tex Competitive Cross Reference Charts

Bear-Tex Hand Pads

NORTON (BEAR-TEX)	3M (SCOTCH-BRITE)	STANDARD ABRASIVES (BRITE-RITE)
456 Light Duty Cleaning Pad (White)	7445 (White)	Brite-Rite Cleaning
635 Clean & Finish Pad (Gray)	6448 (Brown)	
740 Heavy Duty Pad (Brown)	7440 (Tan)	Brite-Rite Heavy Duty
746 Metal Blend Pad (Gray)	7446 (Gray)	
747 General Purpose Pad (Maroon)	7447 (Maroon)	Brite-Rite General Purpose
748 Final Shine Pad (Gray)	7448 (Gray)	Brite-Rite Ultra-Fine S/C
777 Long Life Pad (Maroon)		
796 Scouring Pad (Green)	96 (Green)	Brite-Rite Industrial

Bear-Tex Surface Blending STE and SCF Discs and Belts

NORTON (BEAR-TEX)	3M (SCOTCH-BRITE)	STANDARD ABRASIVES (BRITE-RITE)
A/O Very Fine (Blue)	Surface Conditioning A VFN	Surface Conditioning FE Very Fine
A/O Medium (Maroon)	Surface Conditioning A MED	Surface Conditioning FE Maroon
A/O Coarse (Brown)	Surface Conditioning A CRS	Surface Conditioning FE Coarse
STE-CS, SCF (EXCRS, CRS, MED)	SE Surface Conditioning, SE Purple (CRS, MED)	Surface Conditioning FE, Rapid Cut (CRS, MED)
SCF-NP, STE-VS, STE (CRS, MED, VFINE)	Surface Conditioning (CRS, MED, VFINE)	Surface Conditioning FE, Rapid Cut (CRS, MED, VFINE)

Bear-Tex Flap Wheels and Interleaf Flap Wheels

NORTON (BEAR-TEX)	3M (SCOTCH-BRITE)	STANDARD ABRASIVES (BRITE-RITE)
Medium Density Flap Wheel	Finishing Flap Brush 5 Density	Buff & Blend Flap Brushes – Medium
Hard Density Flap Wheel	Finishing Flap Brush 7 Density	Buff & Blend Flap Brushes – Hard
Flap Wheel with 1/4 Spindle A/O VF	CFFB-S S FIN	
Flap Wheel with 1/4 Spindle A/O Med	CFFB-S A CRS	Mandrel Mounted Flap Brushes – A/O Med
Interleaf Flap Wheel with 1/4 Spindle A/O 60	COMBI-S A 80	Mandrel Mounted Combi-wheels – A/O 60
Interleaf Flap Wheel with 1/4 Spindle A/O 80	COMBI-S A P120	Mandrel Mounted Combi-wheels – A/O 80
Interleaf Flap Wheel with 1/4 Spindle A/O 120	COMBI-S A P180	Mandrel Mounted Combi-wheels – A/O 120

Bear-Tex Convolute Wheels

NORTON (BEAR-TEX)	3M (SCOTCH-BRITE)	STANDARD ABRASIVES (BRITE-RITE)
Series 1000 6 Density A/O, S/C	General Purpose	
Series 1000 Long Life 7 Density S/C	SST Deburring 7 Density S/C	Brite-Rite General Purpose 7 Density S/C
Series 1000 Long Life 7 Density A/O	Cut & Polish 7 Density A/O	Brite-Rite General Purpose 7 Density A/O
Series 1000 Long Life 8 Density S/C	SST Deburring 8 Density S/C	Brite-Rite Deburring 8 Density S/C
Series 1000 Long Life 8 Density A/O	Cut & Polish 8 Density A/O	Brite-Rite Deburring 8 Density A/O
Series 1000 Long Life 9 Density S/C F	EXL Deburring	Brite-Rite Deburring 9 Density
Series 2000	Light Deburring	
Series 4000	EXL, EX2 & EX3 Deburring	Brite-Rite HP
Metal Finishing 5AM	Metal Finishing 4AM & 5AM	Metal Finishing
Clean & Finish/Surface Finishing	Multi-Finishing	Brite-Rite Final Finishing

Bear-Tex Unified Wheels

NORTON (BEAR-TEX)	3M (SCOTCH-BRITE)	STANDARD ABRASIVES (BRITE-RITE)
NEX	EXL, SST, Cut & Polish Unitized	Brite-Rite Unitized
General Duty Unified and Deburring Unified	General Purpose	

Introduction

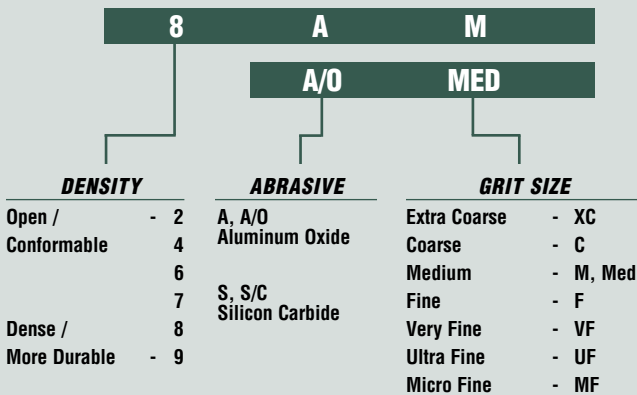
Most Bear-Tex products consist of a non-woven web of nylon fibers impregnated throughout with abrasive grain and bonded with synthetic resins. This design produces a cushioned, three-dimensional material that is extremely pliable and long lasting. The uniform dispersion of abrasive throughout the web provides a continuous supply of new grain as the old grain and fibers wear away during use.

Bear-Tex products, with their open mesh construction, are waterproof, washable, resilient, conformable, non-loading, non-conductive, non-metallic and non-rusting. Bear-Tex wheels are easily pre-formed to conform to special-shaped work pieces.

Since Bear-Tex 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 Bear-Tex 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 Bear-Tex items.

Used wet or dry, Bear-Tex 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 Bear-Tex products an excellent alternative to bristle brushes, set-up wheels, greaseless compounds and steel wool.

Product Identification System



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. Bear-Tex hand pads and rolls 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

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 Bear-Tex 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 Bear-Tex web material to bond the nylon fibers together and to firmly anchor the abrasive grains throughout the web.

Conventional Finishing Methods Versus Bear-Tex Products

The following chart outlines the advantages achievable when using Bear-Tex products as alternatives to other cleaning, blending, deburring and finishing methods. Bear-Tex 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 Metal Finishing Wheels Flap Wheels	Superior cleaning performance Higher productivity No slurry or compound required More consistent finish Eliminate compound dust and flying bristles
Greaseless Compounds	Finishing	Flap Wheels Convolute Wheels Unified Wheels	Reduced maintenance No compound, instant set-up Elimination of compound dust More uniform finish More consistent work rate
Set-up Wheels	Blending/ Deburring	Convolute Wheels Unified Wheels	No break-in time required More consistent cut More uniform finish Maintains geometry Safer, no flying wheel pieces
Steel Wool	Cleaning	Rolls Discs Hand Pads	Faster, longer life Less pressure required Non-rusting, cleaner Safer, no splinters

BEAR-TEX SURFACE FINISHING PRODUCTS

Getting the Most Out of Bear-Tex 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 MAY 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 Bear-Tex 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 Bear-Tex 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.

	← MOST CONFORMABLE (SOFT) →			← LEAST CONFORMABLE (HARD) →		
1. Wheel Conformability	Flap Wheel	Clean & Finish	Metal Finishing	Series 1000 & 1000 Long Life 6 & 7 Density	Series 1000 & 1000 Long Life 8 & 9 Density	B442-XHD Series 4000
2. Wheel Openness	← OPEN MESH →	Clean & Finish	Metal Finishing	Series 1000 & 1000 Long Life 6 & 7 Density	Series 1000 & 1000 Long Life 8 & 9 Density	← CLOSED MESH →
3. Wheel Aggressiveness	← MOST AGGRESSIVE →	Metal Finishing	B442-XHD	Clean & Finish	Series 1000 & 1000 Long Life Series 4000	← LEAST AGGRESSIVE →
4. Finishing Action*	← COARSER →	Metal Finishing	Clean & Finish	B442-XHD Series 4000	Series 1000 & 1000 Long Life Series 4000	← FINER →
5. Pressure for Best Results	← LIGHTER →	Flap Wheels	Clean & Finish Series 1000 6 Density	Metal Finishing Series 1000 & 1000 Long Life 7 Density	Series 1000 & 1000 Long Life 8 & 9 Density	← HIGHER →

* 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.

VARIABLE FACTOR	ROUGH FINISH HIGH RMS READING	SMOOTH SURFACE LOWER RMS READING
1. GRIT SIZE	← COARSE →	← VERY FINE →
2. WHEEL GRADE	← SOFT →	← HARD →
3. WHEEL SPEED	← SLOW →	← FAST →
4. FEED SPEED	← FASTER (LONG SCRATCH) →	← SLOWER (SHORT SCRATCH) →
5. OSCILLATION	← NO OSCILLATION →	← OSCILLATION →
6. LUBRICANTS and COMPOUNDS	← DRY →	← WATER → SOLUBLE OIL → STRAIGHT OIL →