



NORTON

BearTex®

NON-WOVEN ABRASIVES FOR DE-BURRING,
CLEANING, BLENDING & FINISHING APPLICATIONS

ABRASIVE TECHNOLOGICAL EXCELLENCE

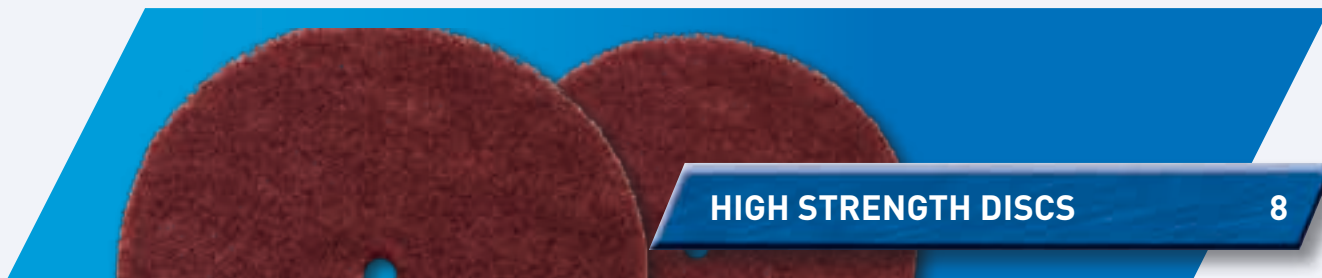


- Worldwide market leader
- Product innovations
- Cutting edge technologies
- Complete range of stock products
- Widest spectrum of product quality
- Made-to-order solutions

ABRASIVE TECHNOLOGICAL EXCELLENCE



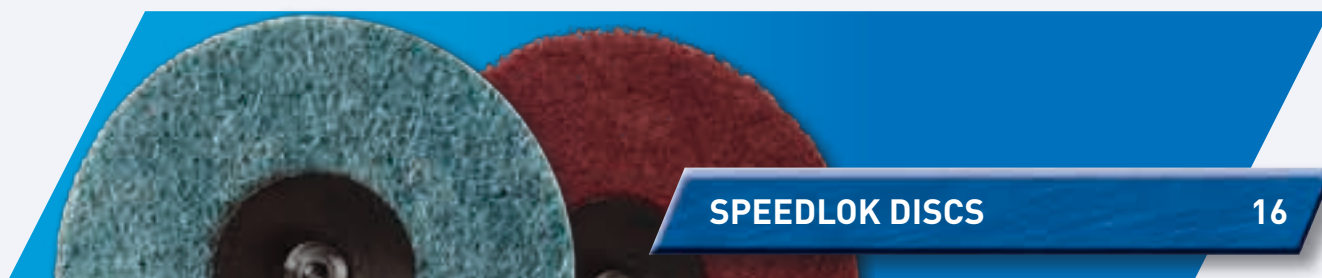
HAND PADS, ROLLS & DISCS 6



HIGH STRENGTH DISCS 8



SURFACE BLENDING BELTS & DISCS 14



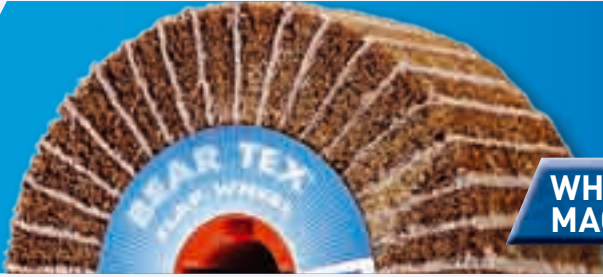
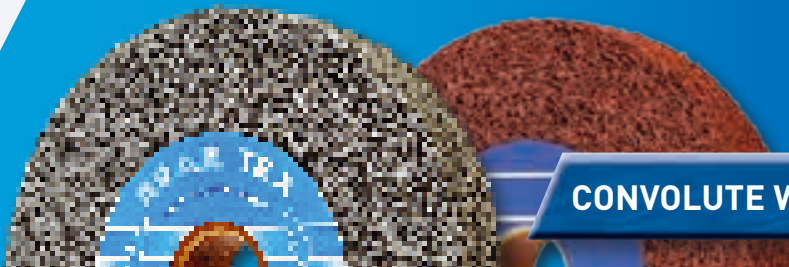
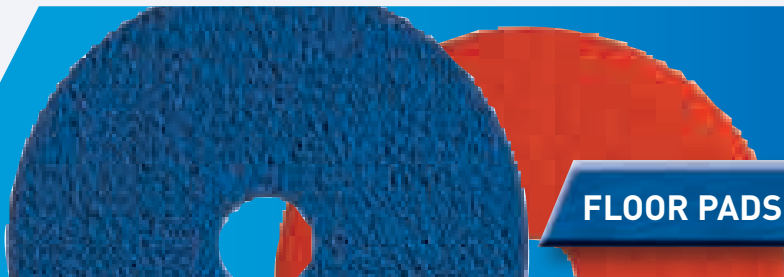
SPEEDLOK DISCS 16



RAPID STRIP DISCS 22



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**WHEELS FOR SATINEX
MACHINES****30****UNITIZED WHEELS****40****RAPID FINISH DPC DISCS****44****CONVOLUTE WHEELS****46****FLOOR PADS****52****TECHNICAL INFORMATION
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WHAT ARE BEARTEX® NON-WOVEN ABRASIVES?

Most BearTex® products consist of a non-woven web of nylon impregnated with abrasive grain that is bonded with synthetic resins. This produces a cushioned, three dimensional material that is extremely pliable and long lasting. The uniform dispersion of abrasive throughout the web provides a constant supply of new grain during use.

BearTex® products, with their open mesh construction, are waterproof, washable, resilient, conformable, non-loading, non-conductive, non-metallic and non-rusting. Individual forms or shapes of this material can offer additional features, for example BearTex® wheels are easily pre-formed to conform to special-shaped work-pieces.

Many of these products are designed for use where only light stock removal and excellent finish is required, BearTex® products begin where other abrasives leave off and are often used in combination with coated abrasives as a final step.

Therefore they are an ideal completion to the Norton Coated Abrasive Range.

The utility of these products as a finishing tool can be best

appreciated by an understanding of the relatively non-aggressive nature of nylon and the grit selection inherent in BearTex® material.

Where 60 to 80 grit may be considered intermediate sizes in other abrasive products, they are considered coarse for

BearTex® items. In fact, it is common in BearTex® products to find grit blends extending up through the Ultra-Fine (1000 grit) range.

However there are BearTex® products combining the features of non-woven abrasives with the performance of coated abrasives in terms of cut and aggression.

Our new extended Surface Blending line provides an unique combination of aggressive performance, good lifetime and excellent finish.

In these and countless other applications, BearTex® products have repeatedly proven to be the most cost efficient and effective means of getting the job done with superior results.

UNDERSTANDING THE PRODUCT

Flat stock
Aluminium oxide
Very fine

F

2

5

04

MARKETING CAP CODE FAMILY	TYPE OF MATERIAL	GRAIN	GRADE	INTERNAL DIFFERENTIATION
Flat stock	F	0 - No grain	0 - No grit	Consecutive numbers used for internal differentiation
Utilized/Unified	U	1 - A/O white	1 - Extra coarse	
Rapid strip	R	2 - A/O brown	2 - Coarse	
Surface conditioning/ Blending	S	4 - S/C	3 - Medium	
Convolute	C	5 - Garnet	4 - Fine	
Floor maintenance	JF		5 - Very fine	
			6 - Ultra fine	
			7 - Super fine	
			8 - Micro fine	

USED WET OR DRY, BEARTEX® PRODUCTS OFFER THE FOLLOWING ADVANTAGES:

- A predictably consistent, uniform finish.
- Minimum smearing and discolouration of the work-piece as heat is dissipated through the open mesh of the product.
- Increased productivity through savings in time.
- Ability to automate operations.
- Reduced operator training.
- Less maintenance required.
- Greater safety than other methods.
- Conformability to irregular surfaces.

These advantages make BearTex® products an excellent alternative to bristle brushes, set-up wheels, greaseless compounds, and steel wool. Operators quickly learn the techniques of using BearTex® products to produce eye catching finishes.

BEARTEX® PRODUCTS CAN BE USED ON A WIDE VARIETY OF SURFACES -

- | | | | |
|--------------|-------------------|-----------|------------|
| • Aluminium | • Brass | • Copper | • Nickel |
| • Chromium | • Stainless Steel | • Zinc | • Titanium |
| • Tantalum | • Ceramics | • Glass | • Plastic |
| • Fibreglass | • Wood | • Plywood | |

APPLICATIONS INCLUDE

- | | | | |
|-----------------------|---------------------|-------------------|-------------------------------|
| • Deburring | • Cleaning | • Scrubbing | • Scouring |
| • Blending | • Polishing | • Highlighting | • Deflashing plastics |
| • Defuzzing plywood | • Dulling laminates | • Imparting satin | • Removing raised wood fibres |
| • Decorative finishes | | | |

ABRASIVE TYPES

BEARTEX® products are manufactured utilising either silicon carbide or aluminium oxide abrasive grain. These are the same high quality abrasives used in Norton's world famous coated abrasive products.

SILICON CARBIDE is a hard, sharp, brittle abrasive grain which tends to break down under pressure. Therefore silicon carbide items are sharper, tend to cut faster and produce finer scratch patterns on most surfaces.

ALUMINIUM OXIDE is a tough, blocky abrasive which does not tend to break down. Aluminium oxide is more durable than silicon carbide and tends to last longer, produce less discolouration on aluminium, and be more aggressive on certain applications such as hardened steel parts.

GRIT SIZE

The 'grit' refers to the particle size of the abrasive grain that is impregnated into the nylon web during manufacture. Use of large particles result in a BearTex® product that acts more aggressively and produces a coarse surface finish. Small size particles result in a BearTex® product that produces fine surface finishes.

DENSITY

The 'density' refers to the number of fibres which have been compressed onto the nylon web material. Most BearTex® products are made in a single density designed to meet the requirements of the intended application. However, several wheel items offer two densities to provide a broader range of finishing results.

Under identical conditions, 'Hard' density wheels cut faster, last longer and produce finer finishes than medium density wheels. 'Medium' density wheels offer greater conformability and less tendency to load the workface.

BOND TYPES

Waterproof resins are used throughout the manufacture of BearTex® web material to bond the nylon fibres together and to firmly anchor the abrasive grains throughout the web.

BearTex® Clean & Finish Hand pads, discs and rolls are ideal for a broad range of hand or machine applications from cleaning and finishing to deburring and light polishing operations across many industries.

APPLICATIONS & MARKETS

- Light cleaning
- Polishing
- Fine finishing
- Keying primer/clear coat
- Stainless steel
- Rust removal
- Defuzzing wood



BEARFLEX HAND PADS

FEATURES

- Ultra fine grade
- Highly flexible
- Perforated
- Supplied in a dispenser box

BENEFITS

- Ideal for keying & automotive primer & clear coat
- Conforms to contoured surfaces
- For clean & easy tearing
- For easy access & storage



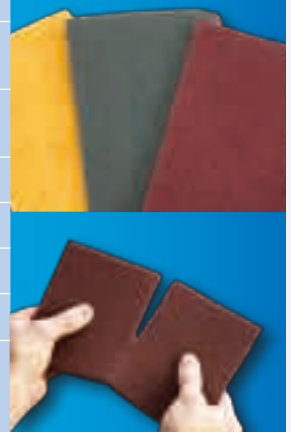
HAND PADS

FEATURES

- Flexible
- Gentle action
- Non-loading
- Non-rusting
- Resilient construction
- Easy to cut to desired size
- Perforated pads for clean and easy tearing also available

BENEFITS

- Conforms to contours of work surface & provides a uniform finish
- Easily removes burrs without affecting the dimension of the workpiece
- Continual supply of new cutting edges
- No contamination of the workpiece
- Long life, waterproof & solvent resistant
- Can be folded to suit hand / shape
- Perforations allow for smooth, shred free split to create 2 smaller easy to use 115mm x 150mm pads



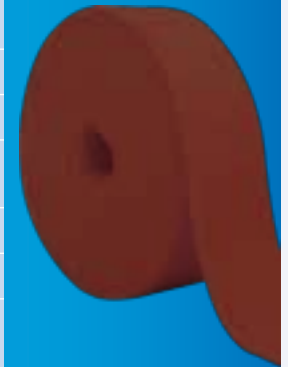
SLIT ROLLS

FEATURES

- High quality aluminium oxide or silicon carbide grain
- Uniform web construction
- Can be cut to exact sizes needed
- Flexible
- Non-loading
- Non-rusting
- Resilient construction

BENEFITS

- Long product life
- Controlled aggressiveness
- Economical; minimal waste
- Conforms to contours of work surface & provides a uniform finish
- Continual supply of new cutting edges
- No contamination of the workpiece
- Long life
- Waterproof & solvent resistant



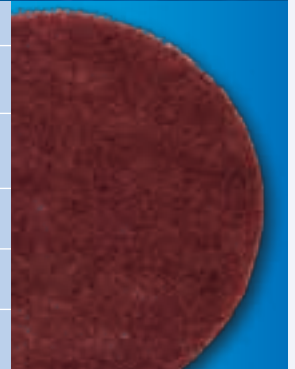
CLEAN & FINISH DISCS

FEATURES

- Flexible
- Gentle action
- Non-loading
- Non-rusting
- Resilient construction

BENEFITS

- Conforms work surface & provides a uniform finish
- Easily removes burrs without affecting the dimension of the workpiece
- Continual supply of new cutting edges
- No contamination of the workpiece
- Long life, waterproof & solvent resistant



SPEC CHECK

Norton has the capability to convert Jumbo rolls into a wide variety of shapes & sizes for your individual application. Please contact your local Norton Sales Representative for further information.



PRODUCT SELECTION

CAP CODE	OLD REF	GRADE	MINERAL	TARGET SUBSTRATE	APPLICATION	FEATURES / BENEFITS
HAND PADS (IN ORDER OF DECREASING AGGRESSIVENESS)						
F2302	D305	Extra Cut	Aluminium Oxide	Stainless Steel	<ul style="list-style-type: none"> ■ Rust Removal ■ Blending ■ Deburring ■ Bluing removal 	<ul style="list-style-type: none"> ■ Aggressive & Durable ■ Long life ■ Ideal replacement for coated abrasive steel wool & wire brushes
F2300	D155	Medium	Aluminium Oxide	Metals & ceramics	<ul style="list-style-type: none"> ■ Cleaning, Deburring ■ Rust removal ■ Coating removal 	<ul style="list-style-type: none"> ■ Strong & Open construction ■ Resists loading ■ Long life ■ Ideal for achieving a matt satin finish
F2401	D97	Fine	Aluminium Oxide	Wood & plastics	<ul style="list-style-type: none"> ■ Cleaning & Intermediate finishing of ferrous & non-ferrous metals ■ Defuzzing wood, denibbing laquers, paints & plastic 	<ul style="list-style-type: none"> ■ Coarser & Stiffer than very fine ■ Ideal for achieving a matt satin finish
F2520/ F2529	D915	Very Fine	Aluminium Oxide	General Purpose	<ul style="list-style-type: none"> ■ Rust removal ■ Automotive primer keying, ■ Defuzzing wood, denibbing plastic 	<ul style="list-style-type: none"> ■ Conforms well to contoured surfaces ■ Excellent finish on a wide variety of surfaces
F2504	D28	Very Fine (Long Life)	Aluminium Oxide	General Purpose	<ul style="list-style-type: none"> ■ Rust removal ■ Automotive primer keying, ■ Defuzzing wood, denibbing plastic, light sanding of old paint and new primers 	<ul style="list-style-type: none"> ■ Moderate flexibility ■ Fast initial cut ■ Long life than standard products ■ Gives no colour blend when used with solvents
F2510	D63	Gen.purpose Clean & Scour	Alumina Silicate	Metals & Plastics	<ul style="list-style-type: none"> ■ General Purpose Cleaning, Surface preparation prior to painting ■ Removal of light stains & oxide marks on metal surfaces 	<ul style="list-style-type: none"> ■ Low cost pad ■ Gives good performance at an economical price
F4300	D125	Medium (SIC)	Silicon Carbide	Stainless Steel	<ul style="list-style-type: none"> ■ Satin finishing aluminium, cleaning glass moulds ■ Grain finishing, removal of weld bluing on stainless steel 	<ul style="list-style-type: none"> ■ Resilient ■ Conforms well to surface contours
F4804 / F4807/ F4605	D985 (D26)	Ultra Fine	Silicon Carbide	General Purpose	<ul style="list-style-type: none"> ■ Keying clear coat, finishing metal, deburring plastics, finishing aluminium ■ Doors & window frames, blending paint, scuffing varnishes & keying acrylic coatings 	<ul style="list-style-type: none"> ■ Can be used wet or dry with prepping compounds
F2801/ F2829	D995	Micro Fine	Calcined Alumina	Precious Metals, Varnished Wood, Car Body Work	<ul style="list-style-type: none"> ■ Keying clear coat ■ Polishing 	<ul style="list-style-type: none"> ■ Produces an extremely high quality surface finish ■ Ideal for cleaning precious metals and finishing varnished wood
F0001	D84	White Cleaning	None	All substrates	<ul style="list-style-type: none"> ■ Light cleaning, polishing, ■ Rubbing down primer & highlighting wood 	<ul style="list-style-type: none"> ■ Highly Conformable ■ Tear resistant ■ Ideal for use with liquid detergent

CLEAN & FINISH HAND PADS

For use on a broad range of hand applications from Heavy Duty cleaning through to finishing and light duty polishing

FEATURES & BENEFITS

■ Aggressive for rust removal



■ Washable & Rustproof: Does not stain.



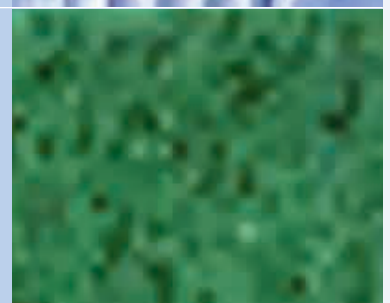
■ Can be used with polishing compounds and water based cleaning solutions



■ Flexible. Conforms to intricate shapes generating a uniform finish.



■ Open structures avoids clogging or loading.



HAND PADS

DIM WxH(mm)	GRADE	CAP CODE	PK QTY	PERFOR. HAND PADS	BEARFLEX	HAND PADS
100x200	Very Fine A	F2529	60		63642557495	
	Ultra Fine S	F4605	60		63642557496	
	Micro Fine A	F2829	60		69957352836	
150x230	Extra Cut	F2302	40**			63642557491
	Medium	F2300	60**			63642557493
	Fine	F2401	60*			66261018286
	Very Fine A Long Life	F2504	60*	66261018293		
		F2504	60*			66261018287
	Gen. Purpose Clean & Scour	F2510	60*			66261018288
	Medium S	F4300	60**			63642557277
	Ultra Fine S	F4807	60*	66261018294		
		F4804	60**			63642557494
	Micro Fine A	F2801	60**			63642557277
230x280	White Cleaning	F0001	60*			66261018283
	Very Fine A Long Life	F2504	35			66261018291
	Ultra Fine	F4807	35			66261018292

*Supplied in packs of 20

**Supplied in packs of 10

SLIT ROLLS

DIM WxL	GRADE	CAP CODE	PK QTY	ART No.
100mmx10M	Medium	F2300	2	63642557499
	Fine	F2401	2	66261018300
	Very Fine	F2504	2	63642557738
	Very Fine (Long Life)	F2504	2	66261018301
	Micro Fine	F2801	2	63642557500
	Ultra Fine	F4802	2	63642557501
115mmx10M	Very Fine	F2504	2	63642557739
	Very Fine (Long Life)	F2504	2	63642587694
	Ultra Fine	F4802	2	63642557503
120mmx10M	General Purpose	F2523	2	63642515571
125mm x10M	Medium	F2300	2	63642557504
	Fine	F2401	2	66261018307
	Very Fine	F2504	2	63642557740
	Very Fine (Long Life)	F2504	2	66261018308
	Micro Fine	F2801	2	63642557505
	Ultra Fine	F4802	2	63642557506
150mmx10M	Medium	F2300	2	63642557507
	Very Fine (Long Life)	F2504	2	66261018312
	Ultra Fine	F4802	2	63642557508

Dimensions Key: DIM = Dimensions, W = Width, H = Height,

PLAIN DISCS

DIA (mm)	CAP CODE	GRADE	PK QTY	ART No.
150	F2504	Very Fine	10	636425 57497
	F4802	Ultra Fine	10	636425 57498

LAP MOPS 6 DISC GANGED TOGETHER

DIA (mm)	CAP CODE	GRADE	PK QTY	ART No.
150	F2520	Very Fine	5	766070 7529

NORGRIP DISCS



DIA (mm)	CAP CODE	GRADE	PK QTY	ART No.
150	F2520	Very Fine A	10	69957 383151
150	F4804	Ultra Fine S	10	69957 383158
150	F2801	Micro Fine A	10	69957 383162

BACK-UP PADS NORGRIP



DIA (mm)	DENSITY	PK QTY	ART No.
150	Hard	3	636425 84830
150	Medium	3	636425 84832
150	Soft	3	636425 84834



HIGH STRENGTH DISCS

Made of a strong nylon web impregnated with abrasive grain and resin, BearTex® high strength discs are designed for demanding applications on a wide range of substrates.

APPLICATIONS & MARKETS

- Rust/oxide or coating removal
- Satin finishing of stainless steel cutlery
- Root finishing of titanium turbine blades
- Finishing of stainless steel & aluminium components
- Cleaning moulds & castings



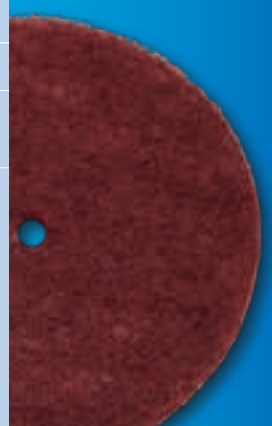
HIGH STRENGTH DISCS

FEATURES

- Durable
- Flexible
- Tear resistant

BENEFITS

- Long life
- Follow surface contours
- Can be used for chamfering
- Helps avoid gouging or chunking the workpiece



HIGH STRENGTH DISCS

DIM DxB(mm)	CAP CODE	GRADE	PK QTY	ART No.
150x12	F2303	Medium	70	636425 85909
	F2506	Very Fine	70	636425 85912
200x12	F2303	Medium	50	636425 85915
	F2506	Very Fine	50	636425 85918

Dimensions Key: DIM = Dimensions, D = Diameter, B = Bore

NOTES

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Surface Blending products are reinforced with a special nylon fibre net backing (scrim) to increase the resistance to tearing. They provide a unique combination of aggressive performance, long life and improved finish.

APPLICATIONS & MARKETS

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



FOUR TYPES OF SURFACE BLENDING BELTS AVAILABLE

- | | |
|------------------------------------|--|
| ■ DSJ- Stock | ■ Low Stretch belt ideal for long life & edge durability. |
| ■ DSB - Made To Order | ■ Coarse grade is excellent for initial aggressive cut for refinishing work. |
| ■ Superflex - Made To Order | ■ Offers the greatest degree of flexibility particularly for Contoured and Flat surfaces. Fast finish. |
| ■ DSX - Made To Order | ■ Extremely flexible material for small portable & file belts. |

DSJ SURFACE BLENDING BELTS LOW STRETCH

FEATURES

- Durable fibre construction
- Very sharp abrasive grain
- Rigid, low stretch backing
- Highly resistant to clogging & loading
- Various sizes available
- User friendly

BENEFITS

- Long lasting
- High, continuous cut rate
- Excellent performance on hard materials (steels, nickel, alloys etc.)
- Controlled Cut
- Gives a consistent finish
- Ideal for belt file machines or back stand finishers
- Reduced risk of workpiece damage



PRODUCT SELECTION

WHICH GRIT SHOULD I CHOOSE?

GRADE	FEATURES & BENEFITS
Extra Coarse	Provides longest cutting life & highest aggressiveness to quickly achieve an even surface ready for finer finishing. Ideal for descaling & removing heavy rust & oxides, Ideal for deburring, aluminium & Excellent performance on hard materials
Coarse	Ideal where a less coarse finish or increased flexibility is required & an aggressive cut is necessary Removes 60-120 grit grindlines - for light deburring
Medium	Removes 120-180 grit grindlines - for cleaning & rust removal
Very Fine	Provides an excellent & uniform finish, ideal choice for fine finishing & pre-coat finishing Removes 180-320 grit grindlines - for finishing, polishing & paint preparation
Super Fine	The finest & most flexible surface conditioning for decorative finishes & excellent surfaces on soft & hard metals, ideal for pre-polishing

SURFACE BLENDING APPLICATION GUIDE

INDUSTRY	APPLICATION	PRODUCT
SURFACE BLENDING MATERIALS		
Aerospace OEM and Maintenance	<ul style="list-style-type: none"> Weld blending, Cleaning of Components i.e. turbine Blades prior to inspection, removing coatings during maintenance work on fuselage and wings in awkward areas, finishing of Turbine Blades 	Belts, Discs, Speed Lok Discs (small sizes are ideal to reach hard to access areas on Aeroplanes)
Strip Metal Manufacturer	<ul style="list-style-type: none"> Finishing of Strip Metal as a final step after coated abrasive belts, cleaning of rollers of strip metal manufacturing machines 	Belts - grades Medium and Very Fine
Marine	<ul style="list-style-type: none"> Cleaning / Maintenance of ships, propellers etc, Finishing, blending welds on Steel, Brass and Aluminium Propellers 	Belts, Discs, Speed Lok Discs all grades
Automotive	<ul style="list-style-type: none"> Weld blending and Finishing Body in White irregular shaped surfaces Removing paint and coatings, blending out coated grind line scratches, prepare panels for painting 	Speed Lok Discs, Coarse, Medium and Very Fine
Sink Manufacturer	<ul style="list-style-type: none"> Finishing of Stainless Steel Sinks 	Mainly belts - all grades
Chinaware	<ul style="list-style-type: none"> Smoothing of bottoms of plates and cups 	Belts - grade Very Fine
SKI Manufacturer	<ul style="list-style-type: none"> Finishing of edges - laminates, Surface smoothing 	Belts
Stainless Steel Fabrication	<ul style="list-style-type: none"> Weld Blending, 	Belts, Discs
Rail	<ul style="list-style-type: none"> Cleaning and Finishing of Aluminum rail carriages, weld blending 	Discs - Coarse, Medium, Very Fine
Food Processing	<ul style="list-style-type: none"> Surface Finishing 	Belts, Discs, all grades
Architectural Steelwork	<ul style="list-style-type: none"> Cleaning and Finishing of weld joints 	Belts, Discs - Coarse, Medium
Metal fittings, plates	<ul style="list-style-type: none"> Achieving decorative finish on door fittings, door handles etc. 	Belts, Very Fine, Super Fine
Cutlery	<ul style="list-style-type: none"> Surface Finishing 	Belts - Medium and Very Fine

DSJ SURFACE BLENDING BELTS LOW STRETCH

DIM WxL(mm)	CAP CODE	GRADE	PK QTY	ART No.
13x305	S2213	A Coarse	10	66261198671
	S2313	A Medium	10	66261016180
	S2513	A Very Fine	10	66261198642
13x457	S2213	A Coarse	10	66261021089
	S2313	A Medium	10	66261021084
	S2513	A Very Fine	10	66261198645
13x520	S2313	A Medium	10	66261198659
13x610	S2213	A Coarse	10	66261021091
	S2313	A Medium	10	66261021092
	S2513	A Very Fine	10	66261021094
20x457	S2313	A Medium	10	66261021096
	S2513	A Very Fine	10	66261021098
20x520	S2313	A Medium	10	66261198660
25x610	S2213	A Coarse	10	66261198667
	S2313	A Medium	10	66261198662
	S2513	A Very Fine	10	66261198649
30x533	S2213	A Coarse	10	63642593016
	S2313	A Medium	10	66261198664
	S2513	A Very Fine	10	69957387893
50x450	S2112	Extra Coarse	10	66261021114
	S2213	A Coarse	10	63642594874
	S2313	A Medium	10	66261021099
	S2513	A Very Fine	10	66261198652
50x800	S2313	A Medium	10	66261021101
50x1500	S2213	A Coarse	10	66261021111
	S2313	A Medium	10	66261021112
50x2000	S2213	A Coarse	10	66261021103
	S2313	A Medium	10	66261021104
	S2513	A Very Fine	10	66261021107
50x2500	S2213	A Coarse	10	66261198669
	S2313	A Medium	10	66261198666
	S2513	A Very Fine	10	66261198653
75x2000	S2213	A Coarse	10	66261021108
	S2313	A Medium	10	66261021109
	S2513	A Very Fine	10	66261021110
75x3000	S2213	A Coarse	10	66261198670
	S2313	A Medium	10	66261021113
100x2500	S2513	A Very Fine	5	66261021115
100x3500	S2313	A Medium	5	66261021116

Dimensions Key: DIM = Dimensions, W = Width, L = Length

SURFACE BLENDING DISCS



FEATURES	BENEFITS
■ Durable fibre construction	■ Long lasting and cool running
■ Very sharp abrasive grain	■ High, continuous cut rate, resistant to loading and clogging
■ Rigid, low stretch backing	■ Excellent performance on hard materials including steels, nickel, alloys etc.
■ Controlled Cut	■ Consistent finish
■ Remove and attach quickly (Use with Norgrip back-up pads)	■ Ideal for sequential finishing using consecutively finer grades
■ Extra Coarse grade for de-burring Aluminium	■ Reduced clogging or loading



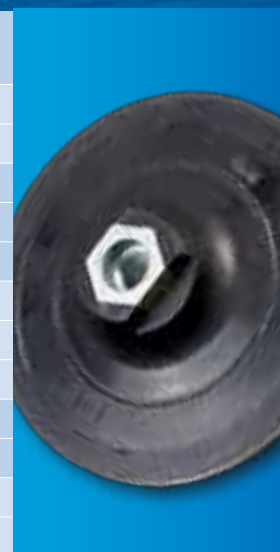
SURFACE BLENDING DISCS

DIA (mm)	CAP CODE	GRADE	TYPE	PK QTY	ART No.
115	S2112	Extra Coarse	DSB	20	63642557509
	S2211	Coarse FB*	DSB	20	63642557510
	S2211	Coarse	DSB	20	63642557511
	S2313	Medium	DSJ	20	63642557717
	S2513	Very Fine	DSJ	20	63642557718
	S4713	Super Fine	DSJ	20	63642557719
125	S2112	Extra Coarse	DSB	20	63642557720
	S2211	Coarse FB*	DSB	20	63642557721
	S2211	Coarse	DSB	20	63642557722
	S2313	Medium	DSJ	20	63642557723
	S2513	Very Fine	DSJ	20	63642557724
	S4713	Super Fine	DSJ	20	63642557725
150	S2112	Extra Coarse	DSB	10	63642557726
	S2211	Coarse FB*	DSB	10	63642557727
	S2211	Coarse	DSB	10	63642557728
	S2313	Medium	DSJ	10	63642557729
	S2513	Very Fine	DSJ	10	63642557730
	S4713	Super Fine	DSJ	10	63642557731
178	S2112	Extra Coarse	DSB	10	63642557732
	S2211	Coarse FB*	DSB	10	63642557733
	S2211	Coarse	DSB	10	63642557734
	S2313	Medium	DSJ	10	63642557735
	S2513	Very Fine	DSJ	10	63642557736
	S4713	Super Fine	DSJ	10	63642557737

FB* = Fibre backed and with 22mm hole (for a stiffer, higher performing disc)

BACK-UP PADS NORGRIP

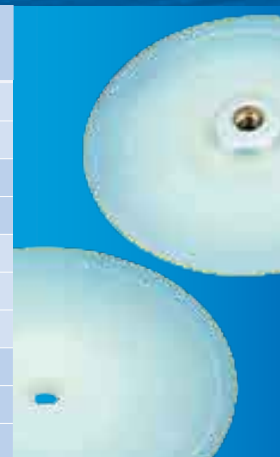
DIA (mm)	ATTACHMENT	DENSITY	PK QTY	ART No.
115	M14	Medium	1	69957382846
	5/8	Medium	1	63642595937
125	M14	Medium	1	69957382841
	5/8	Medium	1	63642595938
	5/16	Medium	1	63642595992
150	M14	Medium	1	69957382843
	5/8	Medium	1	63642595939
	5/16	Medium	1	63642595990
180	M14	Medium	1	69957382844
	5/8	Medium	1	63642595940
200	M14	Medium	1	69957382842
	5/8	Medium	1	63642595941



Dimensions Key: DIA = Diameter

BACK-UP PADS NYLON

DIA (mm)	ATTACHMENT	DENSITY	PK QTY	ART No.
100	M10	HARD	5	63642535414
	M10	MEDIUM	5	63642535412
115	M14	HARD	5	69957382828
	M14	MEDIUM	5	69957382825
125	M14	HARD	5	69957382829
	5/8	MEDIUM	5	63642588341
	M14	MEDIUM	5	69957382826
178	M14	HARD	5	69957382830
	5/8	MEDIUM	5	63642588345
	M14	MEDIUM	5	69957382827



MAXIMUM OPERATING SPEED

DIA (mm)	RPM
115	13,000
125	10,000
150	8,000
178	6,000

*Maximum operation speed is 33m/s



MARKETING CAP CODE CROSS REFERENCE

MCC	QUALITY, NAME & GRADE	ABRASIVE TYPE	GRIT SIZE*
S2112	DSB Extra Coarse	Aluminium Oxide	46
S2116	Superflex Extra Coarse		46
S2211	DSB Coarse		50
S2213	DSJ Coarse		60
S2216	Superflex Coarse		60
S2218	DSX Coarse		60
S2312	DSB Heavy Medium		80
S2311	DSB Medium		100
S2313	DSJ Medium		120
S2316	Superflex Medium		120
S2318	DSX Medium		120
S2415	Superflex Fine		180
S2513	DSJ Very Fine		180
S2518	DSX Very Fine		180
S2516	Superflex Very Fine		320
S4713	DSJ Superfine	Silicon Carbide	600

*Norton non-woven products use a blend of grit sizes. The size quoted is the main component

SPEC CHECK

Surface Blending discs should always be run at lower speeds than Coated abrasives.
This extends life and improves the finish.

From cleaning and stripping through to final finishing with just one system. With just one turn, discs can be changed easily. No slipping, no sticking and always centrally running. Provides the result of comfortable work and less downtime for tool changes.



APPLICATIONS & MARKETS

- Deburring
- Blending
- Cleaning & corrosion removal




FEATURES	BENEFITS
■ SpeedLok® fastener	■ Quick, tool-free disc changes allow for more grinding time
■ Twist on & twist off in 2-1/2 turns	■ Disc locks securely to back-up pad, but is easily removed
■ 25mm to 75mm TS discs – all metal fasteners	■ Mount to the Norton SpeedLok® TS or standard abrasives' quick-change back-up pads
■ 25mm to 75mm TR discs – rubber threaded hubs	■ Mount to Norton SpeedLok TR or 3M Roloc back-up pads
■ Small disc sizes	■ Discs can access restricted corners & contours


SURFACE BLENDING DSJ / DSB

FEATURES	BENEFITS
■ Open structure	■ Resists loading on softer materials
■ High abrasive content	■ Fast initial cut rate
■ Flexible backing	■ Conforms to surface contours




UNITIZED



Unitized discs are used widely in the preparation of metal surfaces. Excellent for light deburring of flashing & threads, blending alloys, polishing & finishing

FEATURES	BENEFITS
■ Easily preformed	■ Usable on a wide variety of shapes/contours
■ Hold shape well	■ No undercutting or gouging of the work peice



HIGH STRENGTH

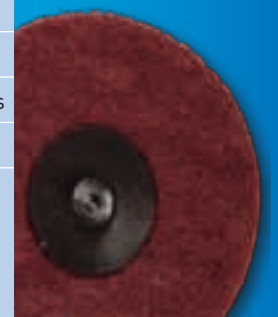


FEATURES

- Premium aluminium oxide grain
- Firm, durable web
- Strong resin binders
- Smear-proof

BENEFITS

- Clean cutting & long lasting
- High resistance to tearing on burrs & sharp edges
- Highly smear-resistant
- Produces light satin finishes



RAPID STRIP

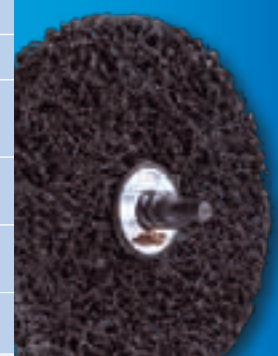


FEATURES

- Open web construction
- Conformable
- Thick, strong, synthetic fibres & extra coarse grit
- New 100mm TR+ discs available
- Strippa version also available

BENEFITS

- Fast cutting & long lasting
- Follow difficult part profiles
- Easy cleaning of uneven surfaces
- Quick cleaning & conditioning of surfaces with aggressive corrosion removal
- Quick-change replacement; can be used on face & edge
- Less dense & more flexible than rapid strip



BUFFING



FEATURES

- Laminated to Lamtuck backing
- Made from soft, flexible material

BENEFITS

- Extra strength
- Conforms to shapes & contours, providing a uniform finish
- Ideal for preparing awkward shaped parts for lacquer coating or polishing
- Removes light oxidation



WHITE FELT

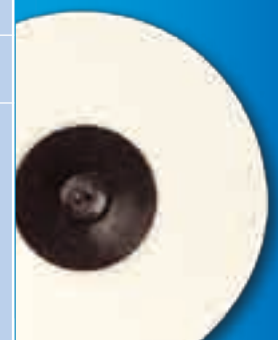


FEATURES

- Ideal for use with polishing compounds to give final finish
- 50mm & 75mm diameter size available

BENEFITS

- Achieves spectacular results on a variety of metals such as stainless steel & aluminium
- Excellent for polishing small areas achieving a good cosmetic finish



PRODUCT SELECTION

OPTIMUM TOOL SPEED TABLE (for maximum disc cut rate & life)*

DIA(mm)	STAINLESS	ALUMINIUM	MID STEEL	TITANIUM	GLASS	COMPOSITES
38	20000	20000	30000	9000	9000	15000
50	15000	15000	20000	7000	7000	10000
75	10000	10000	15000	4500	4500	8000

APPLICATION GUIDE

INDUSTRY	APPLICATION	PRODUCTS
Aerospace maintenance	<ul style="list-style-type: none"> ■ Removing coatings ■ Cleaning weld lines in awkward areas ■ Maintenance work on fuselage & wings 	Surface blending discs
Marine	<ul style="list-style-type: none"> ■ Cleaning hulls, finishing aluminium casings 	Rapid Strip & coarse surface blending discs
Automotive	<ul style="list-style-type: none"> ■ Accessing hard to reach areas such as under the bonnet & door frames ideal for removing stone chips 	Rapid Strip & coarse surface blending discs
Composites	<ul style="list-style-type: none"> ■ Removal of squeezed excessive glue 	Unitized & surface blending discs
Wood	<ul style="list-style-type: none"> ■ Removal of old paint & coatings 	Rapid Strip & surface blending discs
Food processing	<ul style="list-style-type: none"> ■ Surface finishing 	Surface blending discs
Architectural steelwork	<ul style="list-style-type: none"> ■ Cleaning & finishing weld joints ■ achieving decorative finishes 	Unitized & surface blending discs

ATTACHMENTS/BACK-UP PADS

TS – Type 2 – SL2



Turn on/turn off system using a metal to metal fixing on pad (TS) with spindle



TR – Type 3 – SL3



Roll-on/roll off system using a nylon threaded button on pad (TR) with spindle



*Please note: The operational speed is governed by application & product size

DSJ / DSB SURFACE BLENDING DISCS

DIA (mm)	CAP CODE	GRADE	PK QTY	TR 	TS 
50	S2112	Extra Coarse	25	636425 86817	636425 69668
	S2211	Coarse	25	636425 56609	636425 56608
	S2313	Medium	25	636425 56580	636425 56559
	S2513	Very Fine	25	636425 56575	699573 60378
	S4713	Super Fine	25	636425 85626	636425 85670
75	S2112	Extra Coarse	25	636425 86830	636425 86820
	S2211	Coarse	25	662610 09194	636425 19572
	S2313	Medium	25	636425 56601	636425 56593
	S2513	Very Fine	25	636425 56599	636425 56591
	S4713	Super Fine	25	636425 85649	636425 85676

BUFFING DISCS

TS 

DIA (mm)	GRADE	PK QTY	ART No.
50	Coarse A	25	636425 87177
	Medium A	25	636425 87176
	Fine A	25	636425 87175
	Very Fine A	25	636425 87171
75	Coarse A	25	636425 87181
	Medium A	25	636425 87180
	Fine A	25	636425 87179
	Very Fine A	25	636425 87178

WHITE FELT DISCS

TR 

DIA (mm)	GRADE	PK QTY	ART No.
50	Felt	25	636425 87165
75	Felt	25	636425 87167

Dimensions Key: DIA = Diameter

UNITIZED WHEELS

DIA (mm)	CAP CODE	GRADE	PK QTY	ART No.
50	U4301	2 A Medium	10	636425 85684
	U4301	6 A Medium	10	636425 85725
	U4401	2 Super Fine	10	636425 85677
	U4401	4 A Fine	10	636425 85679
75	U4301	2 A Medium	10	636425 85697
	U4301	6 A Medium	10	636425 85726
	U4401	2 Super Fine	10	636425 85691
	U4401	4 A Fine	10	636425 85695

HIGH STRENGTH DISC

DIA (mm)	CAP CODE	GRADE	PK QTY	ART No.
50	F2303	Medium A	50	636425 85924
75	F2506	Very Fine A	50	636425 85932

RAPID STRIP

DIA (mm)	CAP CODE	GRADE	PK QTY	TR RAPID STRIP	TR STRIPPA	TR+ RAPID STRIP
50	R4101	X Coarse S	10	636425 88173	636425 56605	
75	R4101	X Coarse S	10	636425 88175	636425 56624	
100	R4101	X Coarse S	5			636425 85751



Dimensions Key: DIA = Diameter



BACK-UP PADS ATTACHMENT (TR - SL3)



DIA (mm)	DENSITY	PK QTY	RUBBER WITH SPINDLE	PLASTIC HOLDER M14	RUBBER HOLDER M14	ADAPTOR
50	Medium	1	076607 17817			
75	Medium	1	636425 56631		636425 87305	
	Blue / Nylon	1		636425 57133		
1/4-M14	Steel	1				636425 87997

BACK-UP PADS ATTACHMENT (TS- SL2)



DIA (mm)	DENSITY	PK QTY	RUBBER WITH SPINDLE
50	Medium	1	636425 01157
75	Medium	1	076607 07384



HOLDERS ATTACHMENT (TR+- SL4)



S (mm)	DENSITY	PK QTY	ART No.
6	Medium	1	636425 86196




The BearTex® rapid strip disc is constructed with thick, strong, synthetic fibres and extra-coarse silicon carbide abrasive. The open web construction of the disc provides fast cutting action with very little loading. Safer than wire bristle tools, Rapid Strip is suitable for use in many industries.

APPLICATIONS & MARKETS

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



RAPID STRIP DISCS		
FEATURES	BENEFITS	
■ Open web construction	■ Fast cutting action with very little loading	
■ Conformable	■ Easy cleaning of uneven surfaces	
■ Thick, strong, synthetic fibres & extra coarse grit	■ Quick cleaning & conditioning of surfaces	
■ Used with portable tools	■ Easy & safe to use especially in difficult to reach areas	

PRODUCT SELECTION	
INDUSTRY	APPLICATION
Pharmaceutical industry	Removing weld blueing & oxide on stainless steel
Cast iron	Removing of old gasket material on cylinder heads of diesel engine
Automotive	Removing of stonechip coating, paint & rust
	Excellent for removal of rust, undercoating, seam-sealers & stone guards. Can get into hard-to-reach areas like wheel wells & under carriage. Use in trunk beds & door jams. Use to remove oxidation from tyre rims & to remove rust from brake assemblies
Stainless steel fabricators	Weld cleaning, removing of imperfections, blending spot welds
Stainless steel fabricators	Grain finishing on sheets

RAPID STRIP WHEELS

FEATURES & BENEFITS

- Works on edge of wheel
- Mount on Flexible shaft and portable tools
- Use with RapidStrip mandrels and Washers (Bore hole of 12mm)



RAPID STRIP DISCS WITH NORGRIP BACKING

FEATURES & BENEFITS

- Hook and loop backing for quick change on right angle grinders or sanders.
- For high volume applications with quick change facility
- Use with Norgrip back up pads



RAPID STRIP DEPRESSED CENTRE DISCS

FEATURES & BENEFITS

- Mount on Electric Angle grinders
- Popular for maintenance work
- Ideal complement to Flap and Fibre discs



RAPID STRIP TR+ WHEELS

FEATURES & BENEFITS

- Quick change facility for high volume applications
- Ideal for awkward areas- especially in Automotive work like wheel wells and under carriage.
- Use in trunk beds and door jambs. Use to remove oxidation from tyre rims and to remove rust from brake assemblies.
- Also marine industry - removing corrosion on underside of vessels
- Use with convenient quick change TR+ holder (63642586196)
- ...To fit special TR+ button



Dimensions Key: DIA = Diameter, T = Thickness, S = Spindle, W = Width, B = Bore

RAPID STRIP DISCS NORGRIP

DIA (mm)	CAP CODE	PK QTY	MAX RPM	ART No.
115	R4101	10	12000	636425 85706
125	R4101	10	10000	636425 85727
150	R4101	10	8000	636425 85729
178	R4101	5	6000	636425 85730
203	R4101	5	4500	636425 85731

BACK-UP PADS NORGRIP

DIA (mm)	ATTACHMENT	DENSITY	PK QTY	ART No.
115	M14	Medium	1	699573 82846
	5/8	Medium	1	636425 95937
125	M14	Medium	1	699573 82841
	5/8	Medium	1	636425 95938
	5/16	Medium	1	636425 95992
150	M14	Medium	1	699573 82843
	5/8	Medium	1	636425 95939
	5/16	Medium	1	636425 95990
178	M14	Medium	1	699573 82844
	5/8	Medium	1	636425 95940
203	M14	Medium	1	699573 82842
	5/8	Medium	1	636425 95941

**RAPID STRIP WHEELS STANDARD**

DIA x B (mm)	CAP CODE	PK QTY	RPM	ART No.
100 x 12	R4101	25	8000	636425 85700
150 x 12	R4101	15	5500	636425 85703
200 x 12	R4101	5	4500	636425 85704

MANDRELS

DISCS DIAxWxB(mm)	SPINDLE DIA(mm)	PK QTY	ART No.
<150x13x12	6	1	076607 07022
<200x13x12	8	1	076607 07023




**RAPID STRIP DISCS DEPRESSED CENTRE**

DIA (mm)	CAP CODE	PK QTY	MAX RPM	ART No.
115	R4101	5	11000	636425 85732
125	R4101	5	8500	636425 85749
178	R4101	5	6500	636425 85750

RAPID STRIP DISCS SPINDLE MOUNTED

DIM DIAxTxS(mm)	CAP CODE	PK QTY	MAX RPM	STANDARD (1 WHEEL)	LARGE AREA (2 WHEELS GANGED)
75x13x6	R4101	10	10000	636425 57741	
75x25x6	R4101	5	10000		636425 57744
100x13x6	R4101	10	8000	636425 57742	
100x25x6	R4101	5	8000		636425 57745
150x13x6	R4101	10	6000	636425 57743	
150x25x6	R4101	5	6000		636425 57746

RAPID STRIP SPEEDLOK DISCS

DIA (mm)	CAP CODE	GRADE	PK QTY	TR  RAPID STRIP	TR  STRIPPA	TR+  RAPID STRIP
50	R4101	X Coarse S	10	636425 88173	636425 56605	
75	R4101	X Coarse S	10	636425 88175	636425 56624	
100	R4101	X Coarse S	5			636425 85751

BACK-UP PADS ATTACHMENT (TR – SL3)



DIA (mm)	DENSITY	PK QTY	RUBBER WITH SPINDLE	PLASTIC HOLDER M14	RUBBER HOLDER M14	ADAPTOR
50	Medium	1	076607 17817			
75	Medium	1	636425 56631		636425 87305	
	Blue / Nylon	1		636425 57133		
1/4-M14	Steel	1				636425 87997

BACK-UP PADS ATTACHMENT (TS – SL2)



DIA (mm)	DENSITY	PK QTY	RUBBER WITH SPINDLE
50	Medium	1	636425 01157
75	Medium	1	076607 07384



HOLDERS ATTACHMENT (TR+ – SL4)



S (mm)	DENSITY	PK QTY	ART No.
6	Medium	1	636425 86196



Dimensions Key: DIA = Diameter, T = Thickness, S = Spindle, W = Width, B = Bore

Formed by mounting sheets of BearTex® around a centre core. The tight packed piece forms the spokes of a wheel.

This construction makes Flap Wheels the most conformable of all BearTex® Wheel products... providing a cushioning action which is ideal for use on uneven or irregular surfaces, as well as flat areas.

APPLICATIONS & MARKETS

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



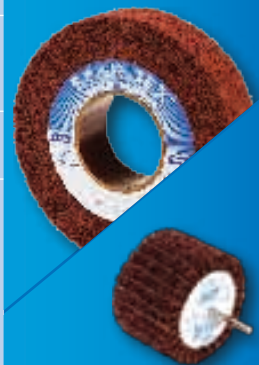
FLAP WHEELS

FEATURES

- Cushioning action
- Constructed using layers of BearTex® with a smear resistant formula
- Available in a wide range of sizes & grades
- Ventilated flap arrangement

BENEFITS

- The most conformable of all BearTex® wheel products. Ideal for use on contoured surfaces & parts with awkward geometry
- Achieves a consistent & uniform finish with no risk of gouging
- Suitable for a wide range of applications including corrosion removal, cleaning & surface finishing
- Smooth running vibration free product that gives a constant finish without smearing or component discolouration



PRODUCT SELECTION

WHEEL DIRECTIONS/RECOMMENDATIONS

Wheel speed is an important factor, that affects lifetime, rate of cut & finish. Fast wheels give generally a finer finish & act more aggressively, whereas lower speeds result in a coarser finish & are less aggressive for the same wheel density. Testing may show that a faster/slower speed is desirable for specific operations

AGAINST FEED

Wheel direction
Shorter scratches
Rougher finish



Flap wheels/
brushes can
be run in either
direction



WITH FEED

More uniform
Longer life
Longer scratches

FLAP WHEEL TYPES

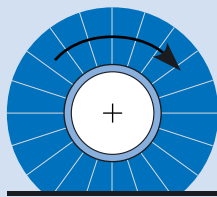
2 types of Flap Wheel are available:

- 1) Flange Mounted, Diameters from 100mm up (also referred to as Flap Brushes)
- 2) Spindle Mounted, in diameters ≤ 100 mm

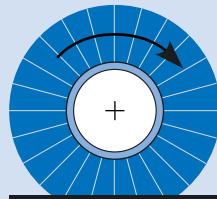
Available in a wide range of abrasive types, grits and densities for Metal and Woodworking.

Densities

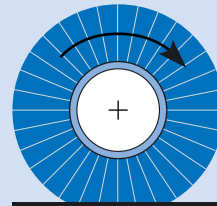
The different densities facilitate a versatility ranging from soft cushioning pads to hard cleaning and finishing tools. The density of a wheel can be increased (hardened) by adding more flaps, as shown below:



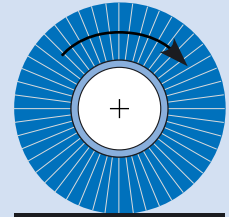
SD, Soft density



MD, Medium density



HD, Hard density



HDEX, Extra Hard density

Flange Mounted Flap Wheels/Brushes

Various sizes available, with variable widths from 10 to 2000mm

Also available - Impregnation with resin increases the life of the wheels and helps to hold form when profiled.

Spindle Mounted Flap wheels

Mounted on a 6mm diameter spindle, designed to be used on straight line die grinders for removal of oxidation, paint, corrosion and generating grain finishes.

Ideal for finishing large and awkward components.

Can be used for metals, wood, composite and plastics.

Less aggressive than conventional coated abrasive flapwheels.

Interleaved Flap Wheels

Interleaved version gives the benefits of aggressiveness by alternatively arranging coated abrasive cloth with the finishing qualities of Non wovens.

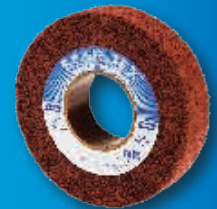
They are soft and aggressive, creating a "firmer" wheel that provides a higher rate of cut.

The ratio of Cloth flaps to non woven flaps can be altered to suit particular applications

Ideal for deburring and grain finishing on stainless steel

Available in both Spindle and Flange mounted versions

Flange mounted Interleaved wheels can be shaped to match the profile, e.g a wood moulding



FLAP WHEEL APPLICATION GUIDE

SGA MCC	GRADE	MD	OLD QUALITY NAME	GRAIN TYPE	APPLICATION
F2212	Coarse A	DAB01	-	Aluminium Oxide	<ul style="list-style-type: none"> Aggressive, very durable, cutting capacity constant Removal of material and corrosion.
F2301 / F2312	Medium A	D0005	D05/DIS	Aluminium Oxide	<ul style="list-style-type: none"> Specially made for Stainless steel and Aluminium. Matt satin finish
F2305	Medium A Heavy Duty	-	-	Aluminium Oxide	<ul style="list-style-type: none"> Faster working and coarser finish than F2301 Higher durability with ability to withstand sharp edges Specially engineered to avoid smearing.
F2401 / F2412	Fine A	D0097	D97	Aluminium Oxide	<ul style="list-style-type: none"> Fine matt satin finish on stainless steel Defuzzing wood, scuffing paints and varnishes
F2402	Fine A	D0002	D02	Aluminium Oxide	<ul style="list-style-type: none"> Use for all metals. Contains special anti-smearing resin
F2501 / F2519	Very Fine A	D0091	D91	Aluminium Oxide	<ul style="list-style-type: none"> Finishing all metals Cleaning and removing oxide on soft metals.
F4301	Medium S	D0054	D54	Silicon Carbide	<ul style="list-style-type: none"> Semi bright satin finish on stainless steel Surface preparation on aluminium before anodising
F4401	Fine S	D0071	D71	Silicon Carbide	<ul style="list-style-type: none"> Special stainless steel, aluminium and brass Weld surface preparation Wood - sanding of primer - scuffing paints and varnishes.
F4501	Very Fine S	D0089	D89	Silicon Carbide	<ul style="list-style-type: none"> Semi bright satin finish on aluminium, brass and precious metals. Wood - uniform finish - scuffing varnishes
F4601 / F4612	Ultra Fine S	D0098	D98	Silicon Carbide	<ul style="list-style-type: none"> Light cleaning on metals Light finishing on precious metals, scuffing varnishes.
F4801	Microf Fine S	D0075	D75	Silicon Carbide	<ul style="list-style-type: none"> Super finishing



MAXIMUM OPERATING SPEED (RPM)

FLANGE MOUNTED

EXTERNAL DIA (mm)	MAX RPM
100	3800
110	3500
125	3200
150	2500
165	2400
180	2000
200	1900
250	1550
300	1250
350	1100
400	950
450	800
500	700

FLANGE MOUNTED FLAP WHEELS - MEDIUM DENSITY

DIM DxWxB(mm)	GRADE	CAP CODE	PK QTY	ART No.
150x20x50	Coarse A	F2212	2	66261083017
	Med A	F2312	2	66261082056
	Med A Heavy Duty	F2305	2	66261083029
	Fine A	F2412	2	66261083077
	Very Fine A	F2519	2	66261083081
	Ultra Fine S	F4612	2	66261083083
	Coarse A	F2212	1	66261083026
	Med A	F2312	1	66261082061
	Med A Heavy Duty	F2305	1	66261083074
	Fine A	F2412	1	66261083078
	Very Fine A	F2519	1	66261083082
	Ultra Fine S	F4612	1	66261083084
200x50x76	Coarse A	F2212	1	66261083027
	Medium A	F2300	1	63642588131
	Med A Heavy Duty	F2305	1	66261083075
	Fine A	F2412	1	66261083079
	Very Fine A	F2504	1	63642588137
	Very Fine S	F4501	1	63642588145

* Refer to accessories section at the back of this catalogue for information on metal bushings

* The catalogue includes details of all stock products but other options are available in various sizes, grades & densities using Norton's made to order facility. Please contact your local sales or customer service representative for more information.

SPEC CHECK

A matt satin finish on metals can be obtained with an aluminium oxide wheel. A semi-bright satin finish on metal can be obtained with a silicon carbide wheel.

Dimensions Key: DIM = Dimensions, D = Diameter, W = Width, B = Bore

MAXIMUM OPERATING SPEED (RPM)

SPINDLE MOUNTED

EXTERNAL DIA (mm)	MAX RPM
50	9500
60	8500
80	7000
100	6000

SPINDLE MOUNTED FLAP WHEELS

DIM DxWxS(mm)	GRADE	CAP CODE	PK QTY	ART No.
30x20x6	Medium A	F2300	10	662610 32155
	Fine A	F2401	10	662610 32160
40x20x6	Medium A	F2300	10	662610 32156
	Fine A	F2401	10	662610 32161
	Very Fine A	F2501	10	662610 32165
60x30x6	Fine A Interleaved	F2401	10	636425 49639
	Fine A Interleaved	F2401	10	636425 49640
	Fine A Interleaved	F2401	10	636425 49641
	Coarse/Extra Cut	F2302	10	662610 32167
	Medium A	F2300	10	662610 32157
	Medium S	F4300	10	662610 53048
	Fine A	F2401	10	636425 49650
	Fine S	F4401	10	636425 15902
	Very Fine A	F2501	10	636425 15905
80x50x6	Fine A Interleaved	F2401	10	766070 5179
	Fine A Interleaved	F2401	10	636425 15544
	Fine A Interleaved	F2401	10	636425 15545
	Coarse/Extra Cut	F2302	10	636425 86113
	Medium S	F4300	10	662610 53053
	Fine A	F2401	10	636425 15583
	Fine S	F4401	10	636425 15614
	Very Fine A	F2501	10	636425 15628
100x50x6	Fine A Interleaved	F2401	10	636425 15907
	Fine A Interleaved	F2401	10	636425 15908
	Fine A Interleaved	F2401	10	636425 15909
	Fine A	F2401	10	636425 15903
	Fine S	F4401	10	636425 15904
	Very Fine A	F2501	10	636425 15906

The catalogue includes details of all stock products but other options are available using Norton's made to order facility. Please contact your local sales or customer service representative for more information.

Dimensions Key: DIM = Dimensions, D = Diameter, W = Width, S = Spindle

NOTES

[illegible]

WHEELS FOR SATINEX MACHINES

BearTex Satinex wheels provide a cushioned abrasive action which not only works well on flat areas, but is also ideal for use in finishing operations on uneven surfaces. These versatile wheels are used on portable machines.

APPLICATIONS & MARKETS

- Decorative finishing
- Weld blending & Removing paint
- Removing scales oxide & rust
- For use on wood & stainless steel
- In-line brush finishes on stainless steel and aluminium cookware
- Producing fine scratch pattern prior to cotton buffing/compound polishing



WHEELS SATINEX MACHINES

FEATURES

- Key way fitting
- Used on portable, variable speed machines
- Wide range of different grades
- Advanced flap wheel construction

BENEFITS

- High compatibility with most common systems in the market
- High mobility & flexibility
- From rust removal to a satin finish
- Ensures perfect linear finish for repair & touch-up jobs



APPLICATION SELECTION

INDUSTRY	APPLICATION	PRODUCTS
WHEEL DIRECTIONS/RECOMMENDATIONS		
Stainless steel fabricators	Grain finishing on sheets, removing of imperfections	Satinex Non Woven A Med
Architectural hardware	Finishing brass aluminium & steel, satin finishing	Satinex Non Woven Fine and Very Fine for bright linear finishes
Metal Working	Cleaning and removing scales, oxide and rust	Satinex RapidStrip
Food Processing	Weld Blending, Satin finishing	Satinex Polyurethane

WHEELS SATINEX

TYPE	APPLICATION	DIM DxTxB(mm)	CAP CODE	GRADE	PK QTY	ART No.
Satinex Cloth A0 Abrasive	Grinding/Coarse Graining	110x100x19	R265	P40	6	66261178710
			R265	P60	6	63642556870
			R265	P80	6	63642569354
			R265	P120	6	63642556744
Satinex Non Woven	Blending/Satin Finishing	110x100x19	F2200	A Coarse	6	63642557218
			F2300	A Medium	6	63642557404
			F2400	A Fine	6	63642557405
			F2402	A Fine	6	07660707415
			F2504	A Very Fine	6	63642557406
			F4306	S Med	6	63642557878
Satinex Intereaved	Blending/Fine Graining	110x100x19	F2200	A Course + P80	6	63642557407
			F2309	A Medium + P80	6	07660707431
			F2300	A Medium + P150	6	63642557408
			F4402	S Fine + P150	6	63642556741
Satinex Polyurethane	Blending/Satin Finishing	110x100x19	P2W01		6	63642557410
Satinex Rapid Strip	Cleaning/ Corrosion removal	110x100x19	R4101	Extra Coarse (SiC)	6	63642557184

Dimensions Key: DIM = Dimensions, D = Diameter, T = Thickness, B = Bore


BearTex® unitized wheels are made from compressed and bonded layers of non-woven abrasive. Applications include deburring, cleaning composites, and sharp edge removal.

Unitized wheels produce excellent finishes on nearly all surfaces, although are ideally suited for use on harder materials such as titanium or stainless steel.

APPLICATIONS & MARKETS

- Surface preparation, cleaning & finishing
- Turbine blades & aerospace maintenance
- Medical instruments
- Cleaning weld lines & moulds
- Tooling industry



UNITIZED WHEELS			
FEATURES		BENEFITS	
■ Easily preformed		■ Usable on a wide variety of shapes/contours	
■ Holds shape well		■ Less wheel dressing, more snag resistant	
■ Non-metallic		■ No contamination of workpiece	
■ Uniform construction		■ Extra long life. Maintains part tolerance, prevents cutting or gouging	
■ Smear resistant formula		■ Excellent smear free finish	
■ Small wheel/disc sizes available		■ Ideal for reaching awkward corners	

UNITIZED WHEEL NAMING SCHEME				
NEX - 8AC Name of product line: NEX Naming scheme: similar to convolute wheels	Product Line	Density	Abrasive Type	Grit Size
	NEX	2 Soft 3 ↑ 4 5 ↓ 6 7 ↓ 8 9 Hard	A = Aluminium Oxide S = Silicon Carbide	F = Fine M = Medium C = Coarse XC = Extra Coarse

PRODUCT SELECTION

APPLICATION AREA	SPECIFIC APPLICATION	SPECIFICATION
UNITIZED WHEELS		
Cleaning: oxidation removal, coatings, contaminations	<ul style="list-style-type: none"> Welding preparation removal of weld blueing, scale removal, gasket removal removing excessive bonding agents after curing, cleaning steel castings 	<ul style="list-style-type: none"> NEX 4AFINE NEX 6AFINE
Deburring: surface, edge, ID_OD & thread deburring	<ul style="list-style-type: none"> Deburring flashings threaded parts stamped parts, turbine blades, machined out parts deburr aluminium extrusions, deburring of pipes in the oil & gas industry 	<ul style="list-style-type: none"> NEX 2SFINE NEX 4AFINE
Deburring: OD & thread deburring	<ul style="list-style-type: none"> Deburring of pipe threads in oil & gas industry 	<ul style="list-style-type: none"> NEX 7 SXC
Blending: removal of parting lines, grindline conditioning	<ul style="list-style-type: none"> Parting line removal, blending surface defects & forge marks 	<ul style="list-style-type: none"> NEX 8MED NEX 8ACOARSE
Finishing: final finishing, satin finishing	<ul style="list-style-type: none"> Turbine blade edge radius, medical implants (stainless steel & alloys figurines, jewellery, finishing saw blades 	<ul style="list-style-type: none"> NEX 6A FINE NEX 8AMED
Polishing: polishing surface defects, preparation before buffing	<ul style="list-style-type: none"> Polishing precision metal pieces, welds etc. 	<ul style="list-style-type: none"> NEX 2SFINE NEX 8AFINE

SPEC CHECK

- Unitized wheels can be run in either direction

UNITIZED WHEELS

DIM DxTxB(mm)	CAP CODE	GRADE	PK QTY	MAX RPM	ART No.
50x3x6	U2301	NEX-8AM	20	22,100	636425 85828
50x6x6	U2301	NEX-2AM	20	18,000	636425 85754
	U4401	NEX-2SF	20	18,000	636425 85756
	U2401	NEX-4AF	20	22,100	636425 85755
	U2401	NEX-6AF	20	22,100	636425 85757
	U2201	NEX-8AC	20	22,100	636425 85761
	U2301	NEX-8AM	20	22,100	636425 85758
75x3x6	U2301	NEX-8AM	20	18,100	636425 85831
75x6x6	U2301	NEX-2AM	10	12,100	636425 85763
	U4401	NEX-2SF	10	12,100	636425 85768
	U2401	NEX-4AF	10	18,100	636425 85766
	U2401	NEX-6AF	10	18,100	636425 85771
	U2301	NEX-6AM	10	18,100	662610 81929
	U2201	NEX-8AC	10	18,100	636425 85776
	U2301	NEX-8AM	10	18,100	636425 85774
150x6x13	U2301	NEX-2AM	10	4,500	662610 19412
	U4401	NEX-2SF	10	5,000	662610 19416
	U2301	NEX-6AM	10	7,500	662610 19414
150x13x13	U2301	NEX-2AM	5	4,500	636425 85818
	U4401	NEX-2SF	5	5,000	636425 85812
	U2401	NEX-4AF	5	7,500	636425 85815
	U2301	NEX-8AM	5	7,500	636425 85824
150x25x13	U2301	NEX-2AM	5	4,500	699573 50267
	U4401	NEX-2SF	5	5,000	699573 50272
	U2401	NEX-4AF	5	7,500	699573 50269
150 x 25 x 25	U2301	NEX-2AM	5	4,500	636425 85789
	U4401	NEX-2SF	5	5,000	636425 85795
	U2401	NEX-4AF	5	7,500	636425 85792
200 x 25 x 25	U2301	NEX-2AM	5	3,500	636425 85796
	U4401	NEX-2SF	5	4,000	636425 85797

Other sizes, grades & densities available upon request. Metal bushings are also available to reduce the bore size, please refer to the accessories section at the back of this catalogue for more information.

UNITIZED SMALL WHEELS / BOBS

DIM DxTxB(mm)	CAP CODE	GRADE	PK QTY	ART No.
25 x 25 x 5	U4401	NEX 2SF	50	662610 14883
25 x 25 x 5	U2301	NEX 6AM	50	662610 14908
Use with Threaded Mandrel			1	662610 77832



Dimensions Key: DIM = Dimensions, D = Diameter, T = Thickness, W = Width, B = Bore

NOTES

[illegible]

RAPID FINISH DPC DISCS

Unique design offers material removal while imparting a final finish. Ideal for deburring, edge breaking, blending, cleaning, and polishing.

Durable construction for fast, economical surface preparation using a right angle grinder

APPLICATIONS & MARKETS

- Conditioning grindlines
- Blending surface defects
- Deburring and radiusing edges
- Removing corrosion and oxide and Light scale removal
- Preparing surfaces for coatings



RAPID FINISH DPC DISCS

FEATURES	BENEFITS
■ Fits 115mm Angle grinders	■ Eliminates steps by replacing other 115mm coated abrasive products
■ Wide range of solutions for finishing ferrous and non-ferrous materials	■ Longer life and more parts per disc. resists loading
■ No need to change Power tools	■ Can be used in place of, or in sequence with, fibre and flap discs for improved part quality
■ Undersized backing plate	■ Longer usable diameter



RAPID FINISH DPC DISCS

DIA (mm)	CAP CODE	PK QTY	MAX RPM	GRADE	APPLICATION	ART No.
115	U4401	10	12000	NEX2SF	Polishing	66261020546
115	U2401	10	12000	NEX2AF	Multi-purpose	66261020547
115	U2301	10	12000	NEX2AM	Most aggressive	66261020548
115	F2303	10	12000	HSMA	Most conformable	66261020549

SPEC CHECK

Where can a Rapid Finish Disc be used?

They can be used in conjunction with Flap Discs. In some cases, the Unitized Discs can replace a Flap Disc.

The Flap Disc leaves scratches on the workpiece. The Rapid Finish Disc will remove the coated abrasive scratches, providing a smoother, burr-free finish.

They provide a clean bright surface finish on Stainless Steel.

NOTES

[illegible]

BearTex® Convolute Wheels are formed by wrapping BearTex® web material around a center core and bonding the layers together to create an abrasive wheel. These wheels are available in various diameters, grades and densities.

APPLICATIONS & MARKETS

- Burr & flash removal
- Reducing surface roughness
- Blending welds on stainless steel
- Blending scratch patterns
- Weld polishing
- Removing rust & oxides
- Applying decorative finishes



DCS

Fine finish with light pressure

FEATURES	BENEFITS
<ul style="list-style-type: none"> ■ Open mesh construction, 	<ul style="list-style-type: none"> ■ Good for blending,rust removal,applying decorative contrast finishes and low to moderate speed applications
<ul style="list-style-type: none"> ■ Silicon Carbide Grain 	<ul style="list-style-type: none"> ■ Not used for deburring
<ul style="list-style-type: none"> ■ Softest Convolute wheel 	

DSS SURFACE FINISHING

Uniform finish with moderate pressure

FEATURES	BENEFITS
<ul style="list-style-type: none"> ■ Stronger web compared to Clean/Finish wheels 	<ul style="list-style-type: none"> ■ More aggressive cutting action & more durability than Clean/Finish wheels
	<ul style="list-style-type: none"> ■ Ideal for rust & paint removal, coarse decorative finishes & blending

DMA RED METAL FINISHING

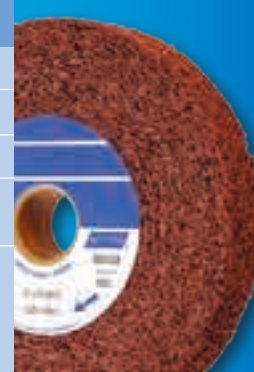
Light deburring, blending & final finishing

FEATURES

- Strongest resin binders
- Dense, very durable web
- Premium, medium grit aluminium oxide grain
- Uniform grain dispersion & coating

BENEFITS

- Resilient long life construction
- Can be used for light deburring applications
- Generates uniform distinct satin & antique finishes
- Cleans & conditions without gouging or changing dimensions of workpiece



SERIES 1000

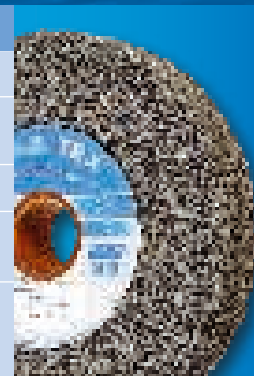
General deburring, blending & finishing

FEATURES

- Smear & heat resistant formula
- Waterproof non-metallic
- Dense web construction (9 density)
- More open web construction (6 density)

BENEFITS

- Use dry, wet or with oil
- No contamination of workpiece
- Long life & consistent high quality results
- Starting point for deburring, blending, polishing & finishing
- Smear proof & cool cutting on light



SERIES 1000 LONG LIFE

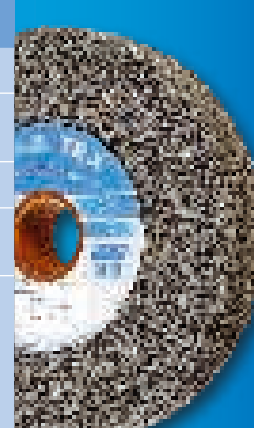
General deburring, blending & finishing

FEATURES

- Improved Smear & heat resistant formula
- Waterproof non-metallic
- Dense web construction (9 density)
- More open web construction (6 density)

BENEFITS

- Use dry, wet or with oil
- No contamination of workpiece
- Long life & consistent high quality results
- Starting point for deburring, blending, polishing & finishing
- Smear proof & cool cutting on light deburring applications



SERIES 2000

For deburring of heat sensitive materials

FEATURES

- Improved resin bond system
- Conformable & flexible

BENEFITS

- Consistent, high quality results – smear-proof
- Eliminates "over cut" or gouging on titanium products like prostheses & aerospace turbine blades
- Cool cutting where heat generation must be kept to a minimum



SERIES 4000

Ideal for heavy deburring applications

FEATURES

- Improved resin bond system
- High quality synthetic web
- Smear & heat resistant
- Premium abrasive grain
- Waterproof

BENEFITS

- Free cutting – use both wet & dry
- More consistent finish. Better performance
- Long life for heavy deburring, edge breaking & removing parting lines on exotic metals
- The choice for when edge & form holding are of primary importance



DBS B442-XHD

Heavy pressure & high speed

FEATURES

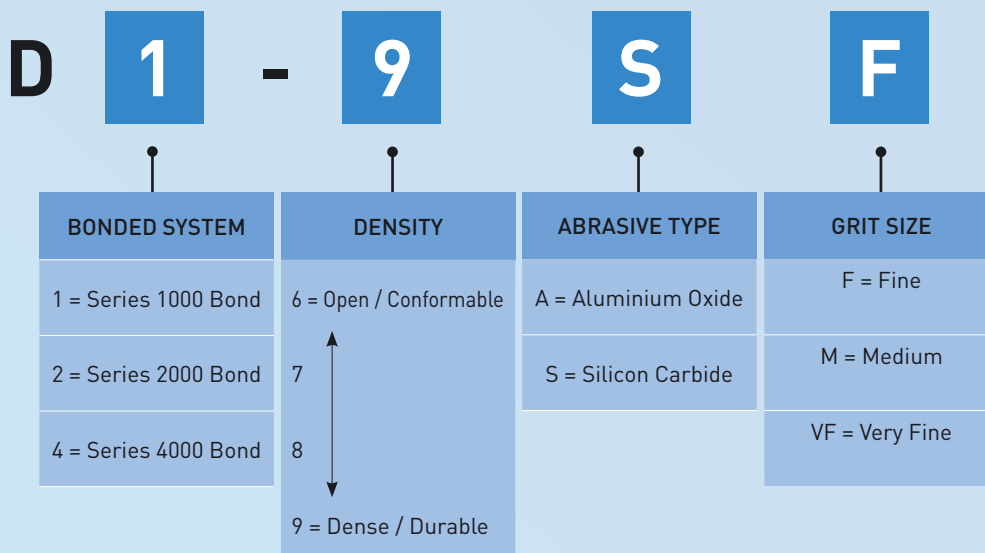
- Closed mesh, very dense product
- Yields faster cut rates while producing finer finishes
- The choice wherever wheel life is critical

BENEFITS

- Superior performance when used with heavy pressure & high speed
- Long life



CONVOLUTE WHEEL NAMING SCHEME



QUICK PRODUCT SELECTION BY APPLICATION

APPLICATION AREA	SPECIFIC APPLICATION	SPECIFICATION	RECOMMENDED SPEEDS
Cleaning	General purpose cleaning, removing rust oxidation, corrosion, discolouration, flashings, pipe threads, machine parts, plastic moulded parts	D16 AM or D18 AM	11-32 ms/ 2,200 - 6,000 SFPM
Deburring	Removing medium to heavy burrs – deburring die cast/smoothing radii on metal parts/ blending coated abrasive scratch pattern	D19 SF	28-41 ms/ 5,500 - 8,000 SFPM
Blending	Smoothing parting lines, polishing welds, machine parts	D1 7 SF	28-41 ms/ 5,500 - 8,000 SFPM
Finishing	Satin finish, cosmetic finish, brush finish	D1 7 SF	2-15 ms/ 500 - 3,000 SFPM

APPLICATION GUIDE

Pressure	<ul style="list-style-type: none"> Light to medium pressure is recommended for most operations Avoid excessive pressure which may result in wheel deformation & damage to the work surface
Feed speed	<ul style="list-style-type: none"> Feed speeds directly affect the number of pieces completed over a given period of time Slow feed speed reduces the number of workpieces completed, while producing a shorter scratch pattern Slow feed speed allows for longer dwell time & 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
Oscillation	<ul style="list-style-type: none"> Oscillation may be used to break up scratch lines 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
Lubricants	<ul style="list-style-type: none"> Lubricants, such as water, water soluble oil & straight oil, will decrease the heat generated while running, improve the luster & improve the surface finish The higher the viscosity of the lubricant, the lower the surface finish (RMS value) produced

UNDERSTANDING THE MCC

DIM DxWxH (mm)	REF CODE	GRADE
DCS	VF	C4501
	F	C4401
	M	C4301
DSS	M	C4302
DSA	M	C2302
DMA	M	C2303
D1 6 A, D17 A, D1 8 A, D1 9 A	F	C2404
	M	C2304
D1 6 S, D1 7 S	VF	C4504
D1 8 S	F	C4404
D1 9 S	M	C4304
D1 6 A LL	M	C2308
D1 7 A LL		
D1 8 A LL		
D1 9 A LL		
D1 6 S LL		

CONTINUED...

DIM DxWxH (mm)	REF CODE	GRADE
D1 7 S LL, D1 8 S LL, D1 9 S LL,	F	C4408
D1 9 S LL	M	C4308
D2 6 S	F	C4405
D2 7 S		
D2 8 S		
D4 8 A	M	C2306
D4 8 S	F	C4406
D4 9 S	F	C4406
DBS (B442-XHD)	F	C4407

CONVOLUTE WHEELS												
DIM DxWxH (mm)	REF CODE	GRADE	DTY	ABR TYPE	PK QTY	DCS	DSS SURFACE FINISHING	DMA METAL FINISHING	SERIES 1000 LONG LIFE	SERIES 1000/2000 /4000	DBS B442	
150x12x25	D17	F	7	SiC	4				66261018628			
		M		AlOx	4				66261018857			
				SiC	4				69957397880			
	D18	F	8	SiC	4				66261018773			
		M		AlOx	4				66261018789			
	D49	F	9	SiC	4					S4 - 66261004021		
	DBS	F	n/a	SiC	4						66261054908	
150x25x25	DMA	M	5	AlOx	3			66261007936				
	D16	F	6	AlOx	3					S1 - 66261055204		
		M		AlOx	3					S1 - 66261055205		
		M		SiC	3					S1 - 66261055202		
	D17	F	7	SiC	3					S1 - 66261055223		
	D18	F	8	SiC	3				66261018774			
	D19	M	9	SiC	3					S1 - 66261055371		
	D48	F	8	SiC	3					S4 - 66261008658		
		M		AlOx	3					S4 - 66261004208		
	DBS	F	n/a	SiC	4						69957352335	
	DSA	M	n/a	AlOx	4		66261058550					
	DSS	CRS		SiC	4		66261058553					
150x50x25	DCS	F	n/a	SiC	2	63642549645						
	DCS	M	n/a	SiC	2	66261058510						
	DSS	M	n/a	SiC	2		66261058560					
	DMA	M	5	AlOx	2			66261007957				
	D17	F	7	AlOx	2					S1 - 66261008897		
		M		AlOx	3					S1 - 66261055229		
200x25x76	DMA	M	5	AlOx	3			66261007831				
	D16	F	6	SiC	3				66261019693			
		M		SiC	3					S1 - 66261055208		
	D17	F	7	AlOx	3					S1 - 69957352389		
				SiC	3				66261018639	S1 - 69957394795		
		M		AlOx	3						S1 - 66261055232	
				SiC	3					69957394610		
	D18	F	8	SiC	3				66261018775			
		M		AlOx	3				66261018855			
				SiC	3				66261018673			

Dimensions Key: DIM = Dimensions, D = Diameter, W = Width, H = Height, ABR = Abrasive Type, DTY = Density

CONVOLUTE WHEELS (CONTINUED)

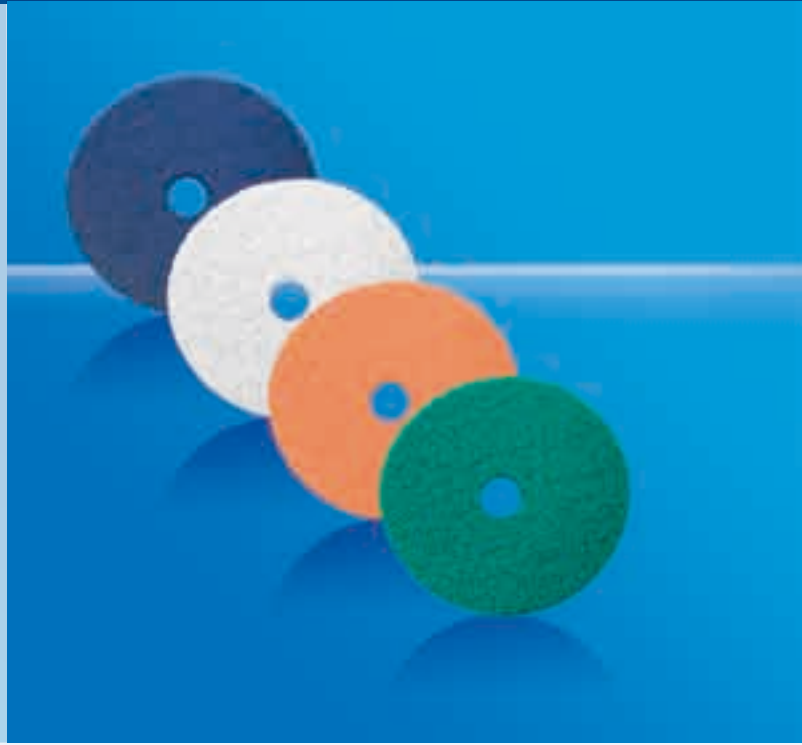
DIM DxWxH (mm)	REF CODE	GRADE	DTY	ABR TYPE	PK QTY	<i>DCS</i>	<i>DSS</i> <i>SURFACE</i> <i>FINISHING</i>	<i>DMA</i> <i>METAL</i> <i>FINISHING</i>	<i>SERIES</i> <i>1000</i> <i>LONG LIFE</i>	<i>SERIES</i> <i>1000/2000</i> <i>/4000</i>	<i>DBS</i> <i>B442</i>
200x25x76	D19	F	9	SiC	3				66261018641	S1 - 66261008886	
		M		SiC	3			66261018997			
	D28	F	8	SiC	3				S2 - 66261013094		
	D48	F	8	SiC	3					S4 - 66261004123	
		M		AlOx	3					S4 - 66261004165	
				SiC	3			66261018673			
	D19	F	9	SiC	3				66261018641	S1 - 66261008886	
		M		SiC	3			66261018997			
	D28	F	8	SiC	3					S2 - 66261013094	
	D48	F	8	SiC	3					S4 - 66261004123	
		M		AlOx	3					S4 - 66261004165	
200x50x76	DCS	F	n/a	SiC	2	63642515565					
	DCS	M	n/a	SiC	2	07660705208					
	DMA	M	5	AlOx	2			66261007904			
	D16	M	6	SiC	2					S1 - 66261055211	
	D17	F		AlOx	2					S1 - 66261009252	
		M	7	SiC	2			66261018877	S1 - 66261055233		
	AlOx			2					S1 - 66261055235		
	D18	F	8	SiC	2			66261019629			
	D19	F	9	SiC	2				66261018987	S1 - 66261055276	
	DBS	F	n/a	SiC	2						66261058718
250x12x127	D17	F	7	SiC	4				69957352396		
	D18	F	8	SiC	4				66261019221		
		M		AlOx	4				69957352395		
				SiC	4				66261019005		
	D19	F	9	SiC	4				66261019222		
250x25x127	D18	M	8	AlOx	4				69957352402		
250x25x76	D28	F	8	SiC	2					S2 - 69957352334	
250x50x127	D28	F	8	SiC	1					S2 - 66261013058	
300x50x125	DSS	CRS	n/a	SiC	1		66261058574				
305x50x127	D28	F	8	SiC	1					S2 - 66261013060	

Refer to the accessories section at the back of this catalogue for information on metal bushings to reduce the bore size.

BearTex® offers a wide range of floor pads from stripping right through to mirror gloss finishing. For general scrubbing and cleaning applications BearTex® offers two pads that will remove surface dirt and grime to get the floor back in shape before recoating or buffing.

APPLICATIONS & MARKETS

- Cleaning & polishing floors
- Factory & utility maintenance
- Janitorial applications



PRODUCT SELECTION

Black Super Strip		A thick pad that is aggressive, durable, & consistent, for wet stripping applications
Green Super Scrub		A heavy duty wet scrubbing pad that will remove the toughest scuff marks in heavily soiled traffic areas
Blue Super Clean		For general duty scrubbing or heavy spray cleaning jobs
Beige		For buffing & polishing, good for light traffic areas
Red Buffer		Generally used where a high gloss finish is desired when dry or spray buffing. It can also be used for light cleaning applications
White Super Gloss		A non-abrasive polishing/buffing pad, used dry or with a fine mist to yield a mirror gloss shine

BUFFING & POLISHING

- Designed to produce consistent performance & assure you a mirror gloss shine

STANDARD FLOOR PADS

DIA (mm)	CAP CODE	GRADE	PK QTY	ART No.
406	JF175	White Super Gloss	5	636425 85892
	JF176	Red Buffer	5	636425 85890
	JF177	Beige	5	636425 85873
	JF178	Black Super Strip	5	636425 85841
	JF180	Green Super Scrub	5	636425 85877
	JF181	Blue Super Clean	5	636425 85868

All standard floor pads come with an 89mm removable centrepiece

THIN LINE FLOOR PADS

DIA (mm)	CAP CODE	GRADE	PK QTY	ART No.
406	JU014	Black	10	636425 85895
	JF068	Green	10	636425 85899
	JF040	Beige	10	636425 85903
	JF175	White	10	636425 85904



Dimensions Key: DIA = Diameter

Rotating abrasive products should be correctly and safely mounted, see safety information or ask your Saint Gobain Abrasive Contact Person



BACK-UP PADS ATTACHMENT (TR – SL3)



DIA (mm)	DENSITY	PK QTY	RUBBER WITH SPINDLE	PLASTIC HOLDER M14	RUBBER HOLDER M14	ADAPTOR
50	Medium	1	076607 17817			
75	Medium	1	636425 56631		636425 87305	
	Blue / Nylon	1		636425 57133		
1/4-M14	Steels	1				636425 87997

BACK-UP PADS ATTACHMENT (TS – SL2)



DIA (mm)	DENSITY	PK QTY	RUBBER WITH SPINDLE
50	Medium	1	636425 01157
75	Medium	1	076607 07384




HOLDERS ATTACHMENT (TR+ – SL4)



S (mm)	DENSITY	PK QTY	ART No.
6	Medium	1	636425 86196




MANDRELS

ACCESSORY NAME	FOR BEARTEX® PRODUCT TYPE	DIM L x S x W (mm)	FOR WHEEL/ DISC DIA (mm)	MAX USABLE WHEEL/ DISC WIDTH (mm)	FOR WHEELS/ DISCS BORE HOLE DIA (mm)	ART No.	
Extra Long Mandrel with dishtooth washer	Plain Discs & Lap Mops	75 x 6 x 40	up to 200	38	8 to 10	66261077806	
Mandrels with Washers	RapidStrip/ Plain Discs	55 x 6 x 40	up to 150	13	10 to 12	7660707022	
Mandrels with Washers	RapidStrip/ Plain Discs/ Unitised Wheels	55 x 8 x 38	up to 200	13	10 to 13	7660707023	
Mandrels	Unitised Wheels	60 x 6	up to 75	6	6 & 10	63642586234	
Mandrels	Unitised Wheels	75 x 6	up to 75	6 to 12	6 & 10	63642586236	
Mandrels	Unitised Wheels	85 x 6	up to 150	12 to 25	6	63642586239	
Threaded Mandrel	Unitised Wheels/Bobs	25 x 6	25	25	5	66261077832	

BORE HOLE REDUCTION BUSHINGS

FOR MOUNTING FLANGE MOUNTED FLAP WHEELS OR CONVOLUTE WHEELS ONTO BENCH/ PEDESTAL GRINDERS OR PORTABLE MACHINES

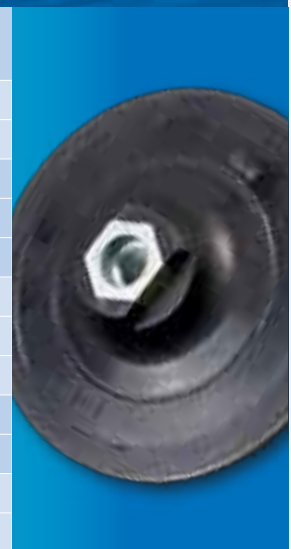
WHEEL BORE (mm)	SIZE OF REDUCED BORE WITH BUSHING (mm)	FOR WHEEL DIAMETER (mm)	PK QTY	ART No.	
25	10	100 to 150	2	66261080522	
	13		2	66261080523	
	16		2	66261080524	
	20		2	66261080525	
	22		2	66261080526	
50	13	150 to 200	2	66261082442	
50	13	150	2	66261080527	
	16		2	66261080528	
	25		2	66261080529	
	32		2	66261080530	
76	25	200	2	66261080531	
	32		2	66261080532	
	44		2	66261080384	
	50		2	66261080514	
125	32		2	66261080534	

Other sizes available on request

BACK-UP PADS NORGRIP

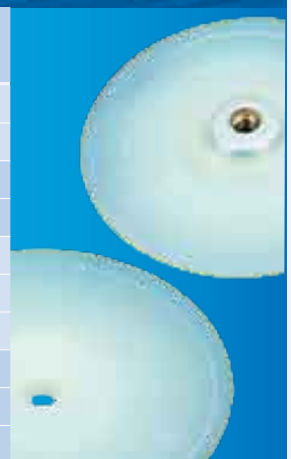


DIA (mm)	ATTACHMENT	DENSITY	PK QTY	ART No.
115	M14	Medium	1	69957382846
	5/8	Medium	1	63642595937
125	M14	Medium	1	69957382841
	5/8	Medium	1	63642595938
	5/16	Medium	1	63642595992
150	M14	Medium	1	69957382843
	5/8	Medium	1	63642595939
	5/16	Medium	1	63642595990
180	M14	Medium	1	69957382844
	5/8	Medium	1	63642595940
200	M14	Medium	1	69957382842
	5/8	Medium	1	63642595941



BACK-UP PADS NYLON

DIA (mm)	ATTACHMENT	DENSITY	PK QTY	ART No.
100	M10	HARD	5	63642535414
	M10	MEDIUM	5	63642535412
115	M14	HARD	5	69957382828
	M14	MEDIUM	5	69957382825
125	M14	HARD	5	69957382829
	5/8	MEDIUM	5	63642588341
	M14	MEDIUM	5	69957382826
178	M14	HARD	5	69957382830
	5/8	MEDIUM	5	63642588345
	M14	MEDIUM	5	69957382827



Dimensions Key: DIA = Diameter

PORTABLE TOOL ADAPTOR KIT

CONVERTS FLANGE MOUNTED FLAP WHEELS OR CONVOLUTE WHEELS INTO SMALLER DIAMETERS OR TRANSFORMS THEM INTO SPINDLE MOUNTED WHEELS FOR MOUNTING ON PORTABLE MACHINES

WHEEL CENTRE HOLE (mm)	SIZE OF REDUCED BORE WITH BUSHING (mm)	FOR WHEEL DIAMETER (mm)	FOR WHEEL WIDTH (mm)	SPINDLE DIAMETER (mm)	PK QTY	ART No.
25 OR 50	12.7 (13)	150 TO 200	20 TO 50	6 OR 8	1 KIT	66261082440





NORTON

58 PRODUCT SELECTION

- BY MACHINE
- BY APPLICATION

65 MATERIAL IDENTIFICATION

66 SAFETY ADVICE

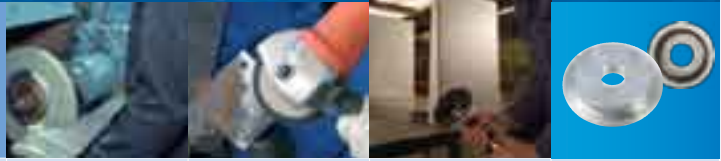
- DO'S & DON'TS



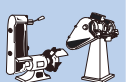
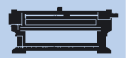

Product Selection Guide & Technical Information

PRODUCT SELECTION - BY MACHINE

STATIONERY MACHINES

Product selection guide & Starting Points recommendation



MACHINES		PRODUCT	PAGE	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY
STRAIGHT SHAFT EQUIPMENT							
Bench Grinder		Plain Discs	13	n/a	F2303 HS Med A	F2520 VF A	n/a
		Convolute Wheels	46	D19 SF	DCS	DMA 5AM	Reduction Bushings
		Polybond Wheels	n/a	C150-H10BTM	n/a	C240-D4BTM	Reduction Bushings
		Flap Wheels	32	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
		Unitised Wheels	40	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings
Pedestal Grinder		Lap Mops	13	n/a	F2520 VF A	F2520 VF A	n/a
		Plain Discs	13		F2303 HS Med A	F2520 VF A	n/a
		Convolute Wheels	46		DCS	DMA 5AM	Reduction Bushings
		Polybond Wheels	n/a		n/a	C240-D4BTM	Reduction Bushings
		Flap Wheels	32		F2301 Med A	F2501 VF A	Reduction Bushings
		Unitised Wheels	40		U2401 6AF	U4401 2SF	Reduction Bushings
BELT EQUIPMENT							
Back Stand		Surface Blend Belts	16	DSB Coa or DSJ Ex Coa	DSJ Med	Superflex Med	n/a
Stroke Grinder		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
Centerless Polisher		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a

STATIONERY MACHINES - CONT...

MACHINES		PRODUCT	PAGE	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY
FEED-THROUGH EQUIPMENT							
Sheet/Coil Processing Machine		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
		Flap Wheels	32	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
		Convolute Wheels	46	D18 SF	DCS	DMA 5AM	Reduction Bushings
Rotary Disc/Planetary Disc Machine		Surface Blend Discs	19	DSB Coa	DSJ Med	DSJ Med	n/a
AUTOMATED EQUIPMENT							
Rotary Machine		Plain Discs	13	n/a	F2303 HS Med A	F2520 VF A	n/a
		Convolute Wheels	46	D18 SF	DCS	DMA 5AM	Reduction Bushings
		Polybond Wheels	n/a	C150-H10BTM	n/a	C240-D4BTM	Reduction Bushings
		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
		Unitised Wheels	40	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings
		Flap Wheels	32	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
Straight-Line Machine		Plain Discs	13	n/a	F2303 HS Med A	F2520 VF A	n/a
		Convolute Wheels	46	D18 SF	DCS	DMA 5AM	Reduction Bushings
		Polybond Wheels	n/a	C150-H10BTM	n/a	C240-D4BTM	Reduction Bushings
		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
		Unitised Wheels	40	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings
		Flap Wheels	32	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
Centerless Polisher		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
		Convolute Wheels	46	D18 SF	DCS	DMA 5AM	Reduction Bushings
		Polybond Wheels	n/a	C150-H10BTM	n/a	C240-D4BTM	Reduction Bushings

SPEC CHECK



Did you pick the most efficient solution?

The most cost effective method usually involves getting the job done fast and efficiently. The most dramatic savings come from labour expenses, rather than material costs.

STATIONERY MACHINES - CONT...

MACHINES		PRODUCT	PAGE	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY
AUTOMATED EQUIPMENT							
Robotic Equipment		Surface Blend Discs	19	DSB Coa	DSJ Med	DSJ Med	n/a
		Convolute Wheels	46	D18 SF	DCS	DMA 5AM	Reduction Bushings
		Polybond Wheels	n/a	C150-H10BTM	n/a	C240-D4BTM	Reduction Bushings
		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
		Flap Wheels	32	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
		Plain Discs	13	n/a	F2303 HS Med A	F2520 VF A	n/a
		Unitised Wheels	40	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings

PORTABLE MACHINES

MACHINES		PRODUCT	PAGE	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY
STRAIGHT-SHAFT TOOLS							
Drill		Plain Discs	13	n/a	F2303 HS Med A	F2520 VF A	Mandrels
		Convolute Wheels	46	D16 SF	DCS	DMA 5AM	Mandrels
		Polybond Wheels	n/a	C150-H10BTM	n/a	C240-D4BTM	Mandrels
		Flap Wheels (Spindle)	36	n/a	F2301 Med A	F2501 VF A	n/a
		Unitised Wheels	40	U2301 8AM	U2401 6AF	U4401 2SF	Mandrels
		RapidStrip Wheels/Discs	28	n/a	R4101 S Ex Coa	n/a	Mandrels
		Lap Mops	13	n/a	F2520 VF A	F2520 VF A	XL Mandrels
Straight-Shaft Grinder		Plain Discs	13	n/a	F2303 HS Med A	F2520 VF A	Mandrels
		Convolute Wheels	46	D19 SF	DCS	DMA 5AM	Mandrels
		Unitised Wheels	40	U2301 8AM	U2401 6AF	U4401 2SF	Mandrels
		RapidStrip Wheels	28	n/a	R4101 S Ex Coa	n/a	Mandrels
		Flap Wheels (Spindle)	36	n/a	F2301 Med A	F2501 VF A	n/a

PORTABLE MACHINES - CONT...

MACHINES		PRODUCT	PAGE	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY
STRAIGHT-SHAFT TOOLS							
Die Grinder		Flap Wheels (Spindle)	36	n/a	F2301 Med A	F2501 VF A	n/a
		Unitised Wheels	40	U2301 8AM	U2401 6AF	U4401 2SF	Mandrels
		Lap Mops	13	n/a	F2520 VF A	F2520 VF A	XL Mandrels
Flexible-Shaft Motor e.g. Suhner, Biax		Plain Discs	13	n/a	F2303 HS Med A	F2520 VF A	Mandrels
		Convolute Wheels	46	D16 SF	DCS	DMA 5AM	Mandrels
		Polybond Wheels	n/a	C150-H10BTM	n/a	C240-D4BTM	Mandrels
		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
		Unitised Wheels	40	U2301 8AM	U2401 6AF	U4401 2SF	Mandrels
		RapidStrip Wheels	28	n/a	R4101 S Ex Coa	n/a	Mandrels
		Flap Wheels	32	n/a	F2301 Med A	F2501 VF A	Mandrels
RIGHT ANGLE TOOLS							
Right Angle Grinder/Polisher		Surface Blend Discs	19	DSB Coa	DSJ Med	DSJ Med	Norgrip back up pads
		RapidStrip DPC discs	30	n/a	R4101 S Ex Coa	n/a	n/a
		RapidFinish DPC discs	44	U2301 2AM	F2303 HS Med A	U4401 2SF	n/a
		SpeedLok Discs	22	DSB Coa	R4101 S Ex Coa	DSJ Med	SpeedLok Holders
Vertical Grinder		Surface Blend Discs	19	DSB Coa	DSJ Med	DSJ Med	Norgrip back up pads
Right Angle Die Grinder/Mini Grinder		SpeedLok Discs	22	DSB Coa	R4101 S Ex Coa	DSJ Med	SpeedLok Holders
		Specialised SpeedLok discs	26	U2301 6AM	F2303 HS Med A	U4401 2SF	SpeedLok Holders
Satinex machine		Satinex Wheels	38	F2200 A Coa	R4101 S Ex Coa	F2300 Med A	n/a

PORTABLE MACHINES - CONT...

MACHINES		PRODUCT	PAGE	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY
BELT TOOLS							
File		Surface blend File belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
Portable Belt Sander		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
Expander Wheel		Surface Blend Belts	16	DSB Coa	DSJ Med	Superflex Med	n/a
VIBRATING TOOLS							
Orbital Sander		Plain Discs	13	n/a	F2303 HS Med A	F2520 VF A	Norgrip back up pads
		Surface Blend Discs	19	DSB Coa	DSJ Med	DSJ Med	Norgrip back up pads
Straight-Line Sander		Hand Pads	12	F2302 Extra Cut A	F2504 VF A LL	F4804 UF S	n/a
		Rolls	12	F2300 Med A	F2504 VF A LL	F4804 UF S	n/a
HAND PAD / MANUAL SANDING							
Hand Applications		Hand Pads	12	F2302 Extra Cut A	F2504 VF A LL	F4804 UF S	n/a
		Rolls	12	F2300 Med A	F2504 VF A LL	F4804 UF S	n/a
		Sheets	12	F2302 Extra Cut A	F2504 VF A LL	F4807 UF S	n/a

Warning - Do not use a product which was not designed specifically for that tool. Always verify that the speed rating of the product meets or exceeds the rating of the tool!

SPEC CHECK

Starting point recommendations can vary depending on the level of aggression required, by choosing a different product grade
Depending upon performance results, other specifications may be substituted on the basis of product testing.
The best practice is to test at least 2 variations of specifications to obtain the desired result.

Ask your Norton contact for more advice

PRODUCT SELECTION- BY APPLICATION

Shortcut to finding the right product...

For deburring or cleaning/finishing, or on completely new operations, the product specifications listed below are recommended as starting points.

Depending upon performance results, other specifications may be substituted on the basis of product testing.

We believe that the best practice is to test at least 2 variations of specifications to obtain the desired result.

DEBURRING

Medium Burrs	Light Burrs
CONVOLUTE WHEELS	
Series 1000 Long Life 1 - 8 SF C4408	Series 1000 Long Life 1 - 7 SF C4408
or (for extra cut)	
Series 1000 Long Life 1 - 9 SF C4408	
UNITISED WHEELS	
NEX -6AM (or 8AM) U2301	NEX -2SF U4401
For Ti and Aerospace Alloys, use 6SF U4401	
RIGHT ANGLE DISCS	
Surface Blending DSJ or DSB	Surface Blending DSJ
Aluminum Oxide 120 Medium	Aluminum Oxide 320 Very Fine
HAND PADS	
F2302 Heavy Duty Extra Cut Tan Pad	F2504 VFA LL Maroon General Purp Pad

WOOD CONDITIONING

Sanding and Shaping	Finishing and Rubbing
CONVOLUTE WHEELS	
Series 1000 Long Life 1 - 8 SM C4308	F2801 Micro Fine S Gold Pad


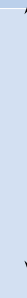

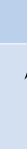
CLEANING AND FINISHING

Clean / Medium Grain Finishing	Fine Grain Finishing
CONVOLUTE WHEELS	
DSS Surf Fin S/C Med Wheel C4302	DCS Clean/Finish S/C Fine Wheel C4401
or	or
Series 1000 Long Life 1 - 6 SM, C4308	Series 1000 Long Life 1 - 6 SF C4408
UNITISED WHEELS	
NEX -4AF U2401	NEX -2SF U4401
FLAP WHEELS	
Med Grit Aluminum Oxide F2301	Fine Grit Aluminum Oxide F2401
Medium Density Flap Wheel	Medium Density Flap Wheel
HAND PADS	
F2504 VFA LL Maroon General Purp	F2801 Micro Fine S Gold Pad
or	
F4300 Medium S Pad for stainless steel	

HAND PAD APPLICATIONS

Heavy Duty Cleaning & rust removal	Medium Cleaning	Light Cleaning & Finishing
HAND PADS		
F2302 Heavy Duty Extra Cut Pad	F2504 VFA LL General Purpose Pad	F2801 Mfine S Pad
Tan	Maroon	Gold

MATERIAL IDENTIFICATION

PRODUCT SHAPE	COLOUR	GRADE	GRIT TYPE	SIZE	FIBRE	STRENGTH
Flastock - Hand Pads - Rolls	White	White Cleaning	None	None	Polyester	 Least Aggressive - Most Aggressive
	Green	General Purpose Clean & Scour	Aluminium Oxide	320	Nylon	
	Gold	Micro Fine A	Aluminium Oxide	1000		
	Gray	Ultra Fine S	Silicon Carbide	800		
	Maroon	Very Fine A	Aluminium Oxide	320		
	Maroon	Fine A	Aluminium Oxide	180		
	Maroon	Medium A	Aluminium Oxide	120		
	Brown	Extra Cut	Aluminium Oxide	80		
	Black	Medium S	Silicon Carbide	60		
Bearflex	Gold	Micro Fine A	Fused Alumina	1000	Nylon	
	Maroon	Very Fine A	Aluminium Oxide	600		
	Gray	Ultra Fine S	Silicon Carbide	320		
High Strength	Maroon	Very Fine A	Aluminium Oxide	280	Nylon	
	Maroon	Medium A	Aluminium Oxide	100		
Surface Blending SCM Discs and Belts	Gray	Super Fine	Silicon Carbide	600	Nylon	 Least Aggressive - Most Aggressive
	Blue	Very Fine A	Aluminium Oxide	180		
	Maroon	Medium	Aluminium Oxide	100		
	Maroon	Heavy Medium	Aluminium Oxide	80		
	Brown	Coarse	Aluminium Oxide	50		
	Dark Brown	Extra Coarse	Aluminium Oxide	46		
Rapid Strip	Black	Extra Coarse	Silicon Carbide	36	Nylon	
Floor Pads Thick Line General Purpose	White	White Super Gloss	None		Nylon	 Least Aggressive - Most Aggressive
	Beige	Beige Polish & Burnish	Aluminium Oxide			
	Maroon	Red Buffer	Aluminium Oxide			
	Blue	Blue Super Clean	Aluminium Oxide			
	Green	Green Super Scrub	Aluminium Oxide			
	Black	Black Super Strip	Aluminium Oxide			
Floor Pads Thin Line General Purpose	White	White	None		Nylon	 Least - Most Aggressive
	Tan	Tan	Aluminium Oxide			
	Green	General Purpose Pad	Aluminium Oxide			
	Black	Black Strip	Aluminium Oxide			

Finishing characteristics of non-woven abrasives are determined by many attributes in addition to grain size , the data provided here is for reference only - and cannot be considered as a specification of our products.

Sizes - colours are approximate.

SAFETY ADVICE - DO'S & DON'TS

FOR YOUR SAFETY YOU SHOULD ENSURE THAT YOU ARE FULLY AWARE OF HOW TO SAFETY USE ABRASIVES.

DO	Read the safety instructions provided by the abrasives and equipment supplier
DO	Store abrasives in dry, frost-free conditions avoiding wide variations in temperature
DO	Ensure that the product is suitable for its purpose
DO	Handle, store and transport products with care
DO	Disconnect the power to the machine before fitting the product
DO	Examine all products before mounting and periodically during use for possible defects or damage
DO	(core flatness, fatigue cracks, undercutting, arbor hole damage...)
DO	Check that correct mounting devices are used and that they are clean, undistorted and free from burrs
DO	Ensure that work rests are properly adjusted and secure
DO	Always use a correctly designed and adjusted guard (on belts)
DO	Ensure that the workpiece is secure
DO	Wear appropriate personal protective equipment at all times
DO	Avoid clogging and uneven wear to ensure that the product is working efficiently
DO	Ensure accordance between product direction arrow / machine rotation
DO	Ensure that all machines using abrasives meet the requirements of the current european machinery directives-CE
DO	<p>Be aware of the hazards likely during the use of abrasives and observe the recommended precautions to be taken:</p> <ul style="list-style-type: none"> - Bodily contact with the abrasive product at operating speed - Injury resulting from product breakage during use - Grinding debris, sparks, fumes and dust generated by the grinding process - Noise - Vibration

SAFETY ADVICE - DO'S & DON'TS

FOR YOUR SAFETY YOU SHOULD ENSURE THAT YOU ARE FULLY AWARE OF HOW TO SAFETY USE ABRASIVES.

DON'T	Allow untrained people to use abrasives
DON'T	Use a product that is damaged
DON'T	Use a product if it cannot be properly identified
DON'T	Use a machine that is not in good working order or one with defective parts
DON'T	Force the abrasive onto the mounting device or modify the size of the mounting hole
DON'T	Exceed the maximum operating speed marked on the product
DON'T	Apply shock or excessive force to the product or let it overheat
DON'T	Use mounting flanges which are not clean and flat
DON'T	Tighten the mounting device excessively
DON'T	Start the machine until the guard is in place and fastened securely
DON'T	Continue to use a product if vibration occurs. True or replace it
DON'T	Grind on the part of the product which is not designed for the operation
DON'T	Start the machine with the workpiece in contact with the abrasive product
DON'T	Grind material for which the product is not designed
DON'T	Stop the abrasive by applying pressure to its surface, let it stop naturally
DON'T	Wear loose clothing, ties and jewellery
DON'T	Use abrasive products near flammable materials



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Form # 1467



