

Reshaping  
your  
world.

**NORTON**

SAINT-GOBAIN

ABRASIVE SOLUTIONS

COATED ABRASIVES  
AND BEAR-TEX  
NON-WOVEN  
**CATALOGUE**



  
SAINT-GOBAIN



**NORTON**

SAINT-GOBAIN<sup>®</sup>

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## **RESHAPING YOUR WORLD WITH...**

WORLDWIDE MARKET LEADERSHIP

WORLD CLASS PRODUCT INNOVATIONS

CUTTING EDGE TECHNOLOGIES

A COMPLETE RANGE OF STOCK PRODUCTS

THE WIDEST SPECTRUM OF PRODUCT QUALITY

MADE TO ORDER SOLUTIONS





Reshaping  
your  
world.®

# HOW TO USE THIS CATALOGUE

This catalogue is segmented into easy to use sections, these sections are divided into sub-sections which are categorised by product type, machine type or application.

Each sub-section is designed to help you find the right product – each product is categorised by Good, Better, Best, and is supported by key features and benefits, applications and markets along with product tables.

The tables display; dimensions, grit, pack quantity, product codes and item barcodes in a clear format. In addition, Product Selection charts serve as a quick reference guide to the range. 'Spec Checks' also give helpful information on specific products or range benefits..

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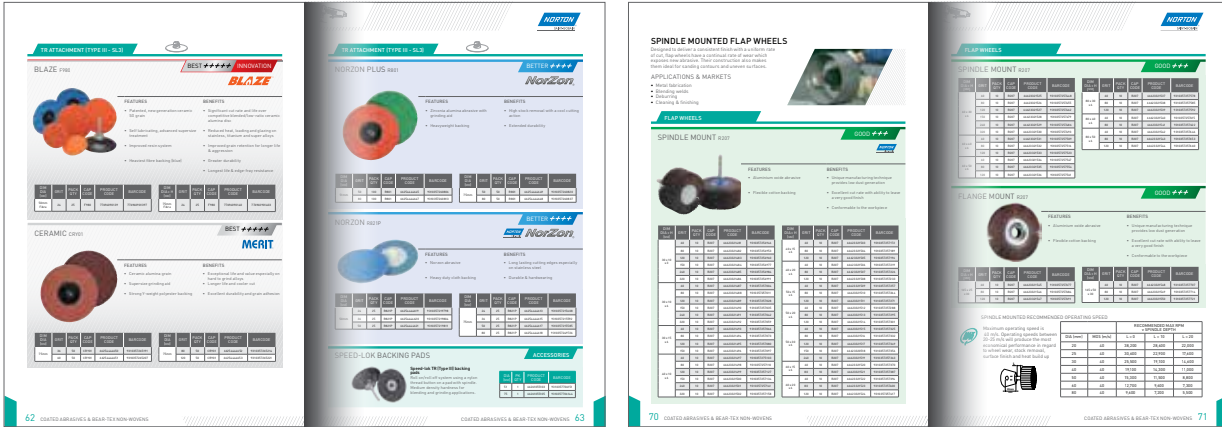
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Included in separate sections at the back of the catalogue there is; Technical and Safety information, and an alphanumeric index incorporating cross referencing from old codes to new codes along with pack barcode information..

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# Reshaping your world.®

Norton, the world's premium abrasive brand, offers powerful, precise and user friendly solutions enabling our customers to shape and surface-finish all types of materials even in the most complex and challenging applications.

As the technology leader, Norton sits at the forefront of the industry providing highly engineered, high-performance value-adding abrasives.

Norton's continual investment in R&D and close collaboration with customers generates highly performance-optimised innovations.

This strong commitment ensures that exciting new products are continuously introduced which offer substantial customer benefits. Helping to improve process productivity and reshape the world of abrasive solutions.





### UTILISING NEW TECHNOLOGIES

As well as New Product Development, Norton is committed to utilising technology breakthroughs in all its existing products. Both the Norton stock range and made-to-order solutions are continually reviewed to ensure that the product offer remains fresh and conforms to the most recent market trends. This approach ensures that all Norton products benefit from state-of-the-art technology, and that the Norton brand has continued sustainable market growth.

### INNOVATION AT WORK

Norton reinforces its position as market and innovation leader by constantly analysing the market to ensure it continuously fulfils customer needs. Norton looks to acquire and hold extensive knowledge about its customers' business activities and product priorities. This market orientated approach enables Norton to better anticipate customer requests and to have an improved understanding of market developments.

### THE ABRASIVE EXPERTS

Norton's technical expertise ensures not only are the most appropriate products used in all abrasives applications but also they are used in an effective and safe manner, maximising performance. Through this Norton looks to establish valuable working partnerships with its customers of all sizes and stature.

### COMMITTED TO CUSTOMER NEEDS

These working partnerships are reinforced through extensive marketing activities that support its complete and innovative product range. Norton is much more than the world's leading manufacturer of abrasive products, it's a brand that has become and remains number one in the minds of its customers. Norton is committed to the long-term development of abrasives and is part of a company that looks to assist customers in all their abrasive needs.

# ABRASIVE TECHNOLOGICAL EXCELLENCE

NORTON'S RELENTLESS COMMITMENT TO DELIVERING TECHNOLOGICAL EXCELLENCE IS REINFORCED THROUGH ITS "CENTRES OF EXCELLENCE".



Since Norton's first breakthrough, in 1885, research efforts have continued to produce industry leading results. At the start of the 20th Century Norton's first innovation was the invention of Norton's trademark Alundum abrasive grain, an aluminium oxide grain that could be manufactured to meet precise grinding requirements.

Throughout the 20th and early 21st Centuries Norton has increased its research efforts by developing

innovative products made with new grains including, aluminium oxide, zirconium oxide (Norzon), Seeded Gel (SG) and IPA (Vortex).

Today, Norton's relentless commitment to Delivering Technological Excellence is reinforced through its "Centres of Excellence". Positioned across the globe, each centre concentrates on the development of exciting new products and grains for all applications found within one type of abrasives.

## COATED ABRASIVES

Our coated abrasives are sourced from global Saint-Gobain manufacturing plants located in; Brazil, Canada, China, France, Germany, Mexico and USA.

For more than 80 years our manufacturing plants have been well-known for the development of Coated Abrasive products. Computerised production processes, high performance product specifications formulations and a long-standing quality management system give the required assurance for the high performance of all Norton manufactured products.

This long standing expertise has allowed Norton product and application engineers to have a superb understanding of the technical issues encountered during coated abrasive applications.

Norton Centres of Excellence are equipped to test and demonstrate our products in real world applications. Our Technology Centres are equipped with high tech back stand grinders, down draft tables and selected hand tools, that allow focused application tests to take place. This gives Norton engineers the fullest and most accurate knowledge of applications using basic products to more high-tech engineered abrasives, such as Norax®.

The forward thinking approach is passed to sales staff through regular training sessions, giving them a greater understanding of our products to pass on to our customers.



COMPUTERISED PRODUCTION PROCESSES, HIGH PERFORMANCE PRODUCT SPECIFICATIONS FORMULATIONS AND A LONG-STANDING QUALITY MANAGEMENT SYSTEM GIVE THE REQUIRED ASSURANCE FOR HIGH PERFORMANCE.



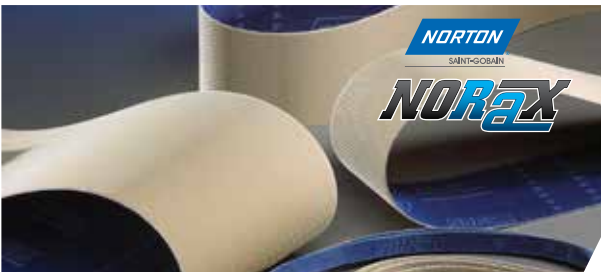
## FEATURED PRODUCTS

# BLAZE®

### HIGHEST PRODUCTIVITY ON THE TOUGHEST JOBS

Norton's latest-generation ceramic alumina abrasive grain and improved supersize grinding aid makes Blaze products last 50% – 200% longer on stainless steel, cobalt, chrome, Inconel, titanium, and other hard-to-grind materials with a fast cut rate.

With Rapid Strip, flap discs, fibre discs, belts and Speed-lok products available, Blaze is a multi-solution product, offering high performance products for all applications.



### AN ENGINEERED SOLUTION

NORaX belts will outlast conventional abrasives with 2-5x longer life. The multiple abrasive layers with an engineered pattern provide superior, consistent finishes on all types of materials: specialty metals, composites, and glass.

Longer product life, higher quality finishes, faster cut rates, and the ability to skip steps will drive down your finishing costs. Available as made-to-order in standard and custom sizes.



### FOR SURFACE CONDITIONING

These abrasives belts are used for blending, finishing and deburring in industries ranging from aerospace to metal fabrication, and MRO operations. They also include proprietary Clean Bond™ resin technology, resulting in a smear-free finish that improves productivity by eliminating rework.



### INSPIRED BY NATURE

Norton Multi-Air Cyclonic is designed on the same cyclone pattern using the Golden Spiral which is why it is the most effective disc when it comes to keeping your work area free of contaminants. Using laser technology, the holes are precision-cut for no deformation and full surface contact with the abrasive.

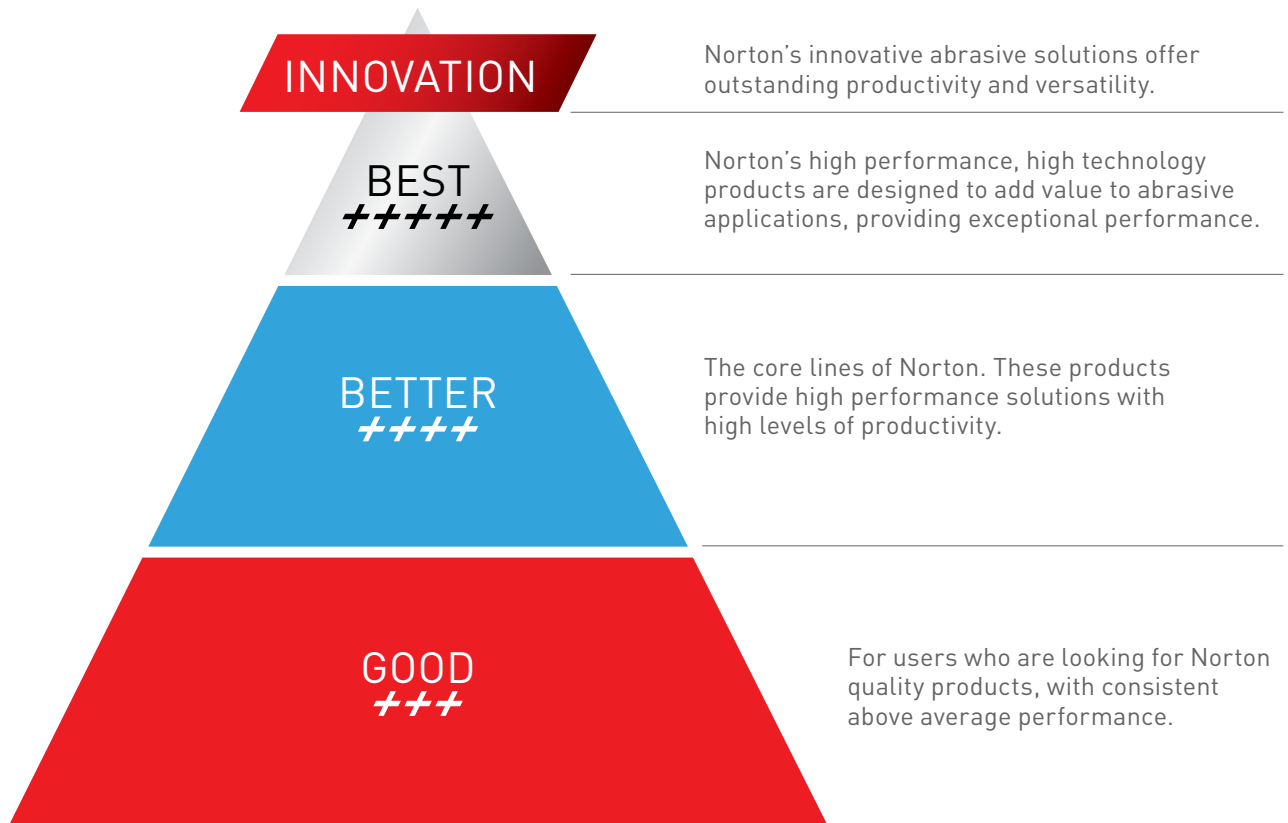


### REDUCED TIME...PERFECT FINISH

Vortex Rapid Blend non-woven discs have been designed to dramatically reduce process times. With its high density 3D microstructure, aggregate grain, Vortex Rapid Blend can do the job of a flap disc, surface conditioning disc and polishing disc in just one step on light welds.

## DELIVERING PRODUCT TIERING – GOOD, BETTER, BEST

To help compare and contrast the performance and price level of each Norton product line, the tiering system of Good, Better, Best is used. This is designed to help you choose the right product and to gain the appropriate level of performance for your application.



# DELIVERING MADE-TO-ORDER SOLUTIONS



WHATEVER THE INDUSTRIAL SECTOR, NORTON IS DEDICATED TO PROVIDING THE MOST APPROPRIATE AND EFFECTIVE ABRASIVE SOLUTION.

## NORTON IS A UNIQUE SOLUTION PROVIDER

Whatever the industrial sector, Norton is dedicated to providing the most appropriate and effective abrasive solution for any application including cutting, grinding and polishing.

In addition to the thousands of stock products available in Coated, Bonded, Thin Wheels, Diamond Blades and Super Abrasives, Norton offers a large number of made-to-order products designed to meet any technical requirement.

Made-to-order solutions represent a significant amount of the complete Norton product offering.

When complex application environments have to be analysed, when cutting-edge technology is necessary to optimise product performances, our leading brand offers the premium solution.

Many Norton customers benefit from our technical support – facilitating the choice of abrasive and combining insight from both sides to run appropriate tests and improve processes.

Sharing views and experiences, Norton represents your preferred partner to increase productivity and reduce overall cost.

## WHY SELECT NORTON

- Our Centres of Excellence enable product testing under real conditions
- We have highly skilled, knowledgeable and experienced personnel devoted to delivering high performance solutions to fulfil customer needs
- We allocate time and resource to product testing/customer case studies
- We have acquired invaluable experience over our long history
- We establish client partnerships to ensure we are aware of the most up-to-date technology with regard to processes, machines and coolants.

To learn more about Norton made-to-order capabilities, highly effective engineered solutions, cutting edge technologies that can help you optimise performance and reduce costs, please contact your local Customer Service Department.

**HELP CUSTOMERS SELECT THE RIGHT ABRASIVE FROM OUR HUGE PRODUCT OFFERING AND DELIVER HIGHLY ENGINEERED SOLUTIONS THAT NOT ONLY MEET BUT EXCEED VERY SPECIFIC AND TECHNICAL REQUIREMENTS, IN ALL MARKET SEGMENTS.**

## DELIVERING LOGISTICAL EXCELLENCE IN THE PACIFIC

In order to confirm Norton's market leading position and support our highly engineered, innovative product solutions, Norton operates a range of ERP and Quality Management systems. This enables continuous improvement of performance at every stage of the logistic chain, through careful effective monitoring of all logistical processes and the subsequent implementation of new technology and best practice procedures.

**NORTON HAS A LOGISTICS TEAM OF 35 SPECIALISED PEOPLE WHO ARE DEDICATED AND FOCUSED ON SATISFYING CUSTOMER REQUIREMENTS.**

Today, Norton has a logistics team of 35 specialised people who are dedicated and focused on satisfying customer requirements. Our planning system, integrated directly with our order processing system, is managed and controlled by a team of forecasting experts who look to maintain and improve our service levels.

Reviews are continuously undertaken to improve packaging techniques and new packaging technology is regularly considered, and implemented where appropriate. This ensures customers receive all products in excellent condition.



## A HISTORY OF EXCELLENCE



In the mid 19th Century, a group of ceramists and entrepreneurs in Worcester, Massachusetts, USA, set out with a goal: meet the growing need of the burgeoning U.S. manufacturing industry, which needed an ever increasing supply of grinding wheels to build and maintain machinery.

By 1876 Norton were manufacturing grinding wheels, and had acquired a patent for vitrified wheels. In 1885 the Norton Emery Wheel Co. was founded to manufacture the first grinding wheel that could be precision made and mass-produced.

Through the latter part of the 19th Century Norton expanded its abrasives range and reached customers throughout the U.S. and Canada. In 1909, Norton built its first European plant in Germany. This was followed by plants in France (1920), UK (1930), and Italy (1935). In the 1930's Norton strengthened its position by expanding into Coated Abrasives. In the same decade Norton developed Diamond and CBN based Super Abrasives.

By 1950 Norton had established itself as the leading world-wide abrasives brand. In 1956, Norton entered South America through an acquisition in Brazil, and followed this with plants in India (1968) and Japan (1972). This steady growth, based upon innovation, technology and responsiveness to customers, has continued and Norton now has a presence in 28 countries around the world.

In 1990, Norton was acquired by Saint-Gobain, a world leader in the manufacture of engineered materials. Saint-Gobain, founded in France in 1665, shares Norton's tradition of commitment to its business and customers, of understanding and responding to the needs of the marketplace and of technical innovation. Saint-Gobain's experience has been a strong addition to the Norton brand.

For over 125 years, Norton has provided innovative solutions for the challenges faced by industries. Our dedication to our business and customers ensures we will continue to be the world's number one abrasive manufacturer supplying a complete range of products that continually add value and efficiency to your operation.

**FOR OVER 125 YEARS, NORTON HAS PROVIDED INNOVATIVE SOLUTIONS FOR THE CHALLENGES FACED BY INDUSTRIES. OUR DEDICATION TO OUR BUSINESS AND CUSTOMERS ENSURES WE WILL CONTINUE TO BE THE WORLD'S NUMBER ONE ABRASIVE MANUFACTURER SUPPLYING A COMPLETE RANGE OF PRODUCTS THAT CONTINUALLY ADD VALUE AND EFFICIENCY TO YOUR OPERATION.**

# PATENTS & TRADEMARKS



Norton shows its commitment to innovation by filing Patents and Trademarks for its most innovative product solutions.

ALTOS®	NO-FIL®	RAPIDSTRIP™
BDX™	NORAX®	RED HEAT™
BEAR-TEX®	NORBIDE®	ROTOLO FOAM®
BLAZE®	NORCLEAN®	SG™
BLACK ICE™	NORFLEX™	SPEED-LOK™
BLUE FIRE®	NORLINE™	SPITFIRE™
DRY ICE™	NORTON QUANTUM™	STARLINE™
I-HD™	NORZON®	TOROS®
LIQUID ICE™	OCTOPUS®	VITRIUM <sup>3</sup> ®
MULTI-AIR®	PLASTIFILM®	VORTEX®
NEON™	PURE ICE™	VULCAN®



## CREATE GREAT LIVING PLACES AND IMPROVE DAILY LIFE

Saint-Gobain designs, manufactures and distributes materials and solutions which are key ingredients in the wellbeing of each of us and the future of all.

They can be found everywhere in our living places and our daily life: in buildings, transportation, infrastructure and in many industrial applications.

They provide comfort, performance and safety while addressing the challenges of sustainable construction, resource efficiency and climate change.

**SAINT-GOBAIN IS ONE OF THE WORLD'S TOP 100 LEADING INDUSTRIAL CORPORATIONS OPERATING IN 66 COUNTRIES WITH OVER 170,000 EMPLOYEES; IT IS RANKED AMONGST THE TOP 100 GLOBAL INNOVATORS AND HAS OVER 350 YEARS OF INDUSTRIAL HISTORY.**



### SAINT-GOBAIN IS THE LEADER IN MANY MARKETS

#### INNOVATIVE MATERIALS

##### FLAT GLASS

- No. 1 in Europe
- No. 2 worldwide

##### HIGH PERFORMANCE MATERIALS

- No. 1 worldwide

#### BUILDING DISTRIBUTION

- No. 1 building materials distributor in Europe
- Leading player on the plumbing-heating-sanitary market

#### CONSTRUCTION PRODUCTS

##### PIPELINES

- No. 1 worldwide in ductile cast iron pipe

##### GYPSUM

- No. 1 worldwide in plasterboard and plaster

##### INSULATION

- No. 1 worldwide in insulation

##### MORTARS

- No. 1 in Europe for wall facings
- No. 1 worldwide for tile adhesives

##### EXTERIOR PRODUCTS

- No. 2 in the United States for siding products

# DELIVERING A SUSTAINABLE FUTURE

In 2014 Saint-Gobain Abrasives launched its new sustainability plan aligned with our business values and vision. This 5 point plan of operational policies and practices underpins our commitment

to sustainable development as a global leader. We have made significant progress in advancing sustainability with a number of major accomplishments in each area which we have detailed below.

## Our commitment to employees and sustainability

### Our Vision

Be the **global leader** of reference in Abrasives, at the leading edge of **innovation** and **service**. Delivering the most comprehensive **Abrasive Solutions** to our customers.



### Our Values

Comprehensively and strictly apply our Saint-Gobain Principles of Conduct & Action.

#### Conduct

- Professional commitment
- Respect for others
- Integrity
- Loyalty
- Solidarity

#### Action

- Respect for the law
- Caring for the environment
- Worker health and safety
- Employee rights



Pursue an ambitious policy to constantly **improve workplace health & safety**

In our Abrasives plants safety is our number one priority: lost time accidents have reduced five fold in 10 years

Reduction of workplace hardship: exposure to noise, repetitive tasks, safety, ergonomics...

All operators individually assessed at least 3 times Per annum through the SMAT program (Senior Management Audit Tool) - >33,000 individual SMAT's conducted globally per annum

Reduction of exposure to chemicals  
Annual world-wide EHS day

c.70,000 hours per annum of training worldwide on Saint-Gobain Safety Standards

**1.**  
Our commitments to sustainable development





## 2. Continuously encourage the **personal development** of our employees

Saint-Gobain named as Top Employer 2015 for third consecutive year

Special focus on diversity, training and career management

Abra+ gives specific exposure of our young talents to senior management

60+ training courses proposed by Saint-Gobain Abrasives University and Saint-Gobain Training

Systematic employee satisfaction surveys



## 3. Be a **responsible & sustainable player** internationally & within our local communities

Founder member of FEPA and oSa, actively promoting the safety of abrasives

Sustainable development policies audited by VERITAS

Sponsors of local communities through initiatives such as social mobility, heating of local schools...

Extensive roll out of international standards ISO 9001, ISO 14001, OHSAS 18001

Internal testing & certification based on the following safety standards:

EN12413: 1999 ( Bonded Abrasives )    EN13236: 2001 ( Super Abrasives )  
EN13743: 2002 ( Coated Abrasives )    EN13236: 2001 ( Diamond Blades )

Saint-Gobain are endorsers of the Caring for Climate statement and the CEO Water Mandate for Water Resource Protection (as part of the UN's Millennium Development Goals)

Third party supplier charters, timber regulations, CSR evaluations and audits, Adhere process, minerals policy...

Saint-Gobain is a member of the United Nations Global Compact



## 4. Minimize the **environmental footprint** of our operations with five priorities

Increase the energy efficiency of our production

Increase the use of recycled raw materials in our plants

Reduce our CO<sub>2</sub> emissions

Optimize our water resources

Strict waste segregation policy



## 5. Continuously **develop eco-valorized products** bringing additional value to our customers

The first abrasives manufacturer to produce FSC® products

Use of natural resins and recycled grains

High performance abrasive products & solutions that help to reduce environmental impact and user exposure:

- low noise
- low vibration
- low dust



# DELIVERING ENVIRONMENTAL EXCELLENCE

Norton prides itself on having an environment friendly approach to all its business activities. This approach is actively pursued as caring for the environment is a fundamental part of the corporate culture of Saint-Gobain. Environmental responsibility is both our responsibility as employers and also important for successful business operations.



## SAINT-GOBAIN ABRASIVES ACTIVELY LOOKS TO PROMOTE ITS ENVIRONMENTAL PRINCIPLES THROUGH ITS WIDELY DISTRIBUTED EHS (ENVIRONMENT, HEALTH AND SAFETY) POLICY.

Saint-Gobain Abrasives actively looks to promote its environmental principles through its widely distributed EHS (Environment, Health and Safety) policy. The Environment Policy Statement is distributed to all employees in Europe, to ensure a clear consistent message is delivered.

This is supported by the responsible attitude shown by all our employees towards the use of natural resources, and constant monitoring to ensure that environmentally focused business objectives are met. This is ensured through regular procedural reviews and employee training sessions.

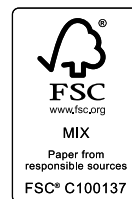
## ENVIRONMENT PROTECTION

- Waste management is undertaken to optimise recycling activities of materials including paper, carton, wood, production dust, steel, and batteries
- Zero pollution of air, water and land is defined as a major objective.

## REDUCTION OF NATURAL RESOURCES CONSUMPTION

- New production processes and procedures are regularly implemented to help minimize the amount of waste created at all manufacturing processes
- Improving process technology and systems is a strong focus to help enhance energy conservation.

All Saint-Gobain Abrasives manufacturing facilities implement an Environmental Management System, with most having been certified to the international ISO 14001 standard. The company's objective is to have all the sites certificated with this standard before the end of 2007. We, at Saint-Gobain Abrasives, seek to achieve environmental excellence in all our business operations.



## THE FIRST ABRASIVES MANUFACTURER TO SELL FSC CERTIFIED ABRASIVES

Utilising responsibly sourced material and preserving natural resources is a high priority for Saint-Gobain Abrasives so our European coated abrasive plants manufacturing paper backed products are now FSC certified.



It is our goal to establish a long-term relationship with our customers, with a strong emphasis on sharing our professional skills, process knowledge and providing up-to-date information regarding industry developments. The result allows you, our customer, to receive the greatest value from our product solutions for cutting, grinding and finishing.

Our Centre of Excellence Training Centre in Melbourne, is a fully equipped facility offering a professional technical location for hands-on training based on best practices.

Training sessions are organised on a frequent basis: to share experience, train technicians and to maximise close collaboration between our team and our customers to choose the right product, providing best performances, evaluating market-trends, and anticipating future developments.

If you are interested in participating please contact your local representative to enquire about the possibilities.

## RESEARCH & DEVELOPMENT



BY SETTING THE STANDARDS EACH AND EVERY DAY, WE WILL CONTINUE IN THE FUTURE TO BE THE LEADER IN PROVIDING SANDING SOLUTIONS FOR INDIVIDUAL OPERATIONS AND COMPLETE PROCESSES FOR SPECIALISED APPLICATIONS.

Norton is recognised for the innovative nature of its products. Our research and development is constantly driven to improve our portfolio of products, by finding solutions to increase productivity and efficiency, always considering safety and the environment.

Every year, significant investment is made in R&D, with committed staff working in special development units, located throughout Europe and the world. Reactivity and flexibility are key within our corporate R&D strategy, enabling us to react to changing or new technologies and the development of advanced solutions.

# ABRASIVE MARKETS

## METAL FABRICATION

Norton continues to play a key role in the Metal Fabrication market, delivering hi-tech relevant abrasive solutions for all applications in surface preparation and finishing. Decades of acquired expertise combined with innovative technology allows Norton to offer the most appropriate abrasive solutions for the most common applications, including: ship building, food industry, chemical and oil industries and boiler making.



APPLICATION	PRODUCT GROUP	MAIN BENEFITS	PAGE
Cutting sheet metal	Wheels for Angle Grinders	Fast cut operation	
Heavy grinding & deburring	Fibre discs	Aggressive cutting	49
Welds grinding & blending	Flap discs	Versatility	53
Grinding & sanding all kind of metals	Narrow belts	High stock removal	108
Light to medium deburring	Speed-Lok discs	Long life	61
Light to heavy duty cleaning	Bear-TEX discs	High resistant	59
Finishing of Stainless Steel	Norax belts	Consistent and predictable surface finish	
Cleaning & finishing	Flap wheels	Consistent finish	70
De-rusting of Steels, Inox	Wire Brushes	Steady Brushing	

## FEATURE PRODUCTS

COATED ABRASIVES	PAGE
F975 GreenLyte Fibre discs	90
R828 Megaline HD Flap discs	54
F980 Norton Blaze	90
R207 Flap wheels	70



## THE ULTIMATE SOLUTION

An incomparably high performance, high quality product designed specifically for finishing.

**R946**

## GENERAL ENGINEERING

Norton provides technical solutions for applications from surface grinding to sharpening operations on a range of materials from high alloy to stainless steel. In addition Norton offers technical assistance to help provide optimum performance in application precision, quality of finishing and operation productivity. Typical sectors: mechanical, mould industry, tool industry, aerospace subcontractors and medical prosthesis.



APPLICATION	PRODUCT GROUP	MAIN BENEFITS	PAGE
Surface grinding	Vitrified wheels	Cool and burn-free cutting	
Truing and dressing a wheel	Dressers	Optimises the cutting action and the finish	
Restoring the cutting edge on tools	India stones	Long lasting cutting edge	
Internal grinding	CBN wheels	Excellent cutting	
Surface grinding and finishing	Narrow belts	Quick metal removal and surface finishing	108
Shaping and deburring	Carbide burrs	Long life, reduction of cutting force	
Light deburring	Coated specialities	Conformability to complex surfaces	
Surface finishing	Flap wheels	Consistent wear rate, high quality results	70
Polishing of moulds	Bear-TEX wheels	From preparatory lapping to finest finishing	142

## FEATURE PRODUCTS

COATED ABRASIVES/BEAR-TEX	PAGE
Speed-Lok discs	61
Metal finishing convolute wheels	142

## THE ULTIMATE SOLUTION



Clean Bond technology guarantees smear-free finishes on a wide range of materials, including high-nickel-content alloys and soft metals for increased throughput and decreased wheel changes.

## THE ULTIMATE FINISHING EXPERIENCE

## MAINTENANCE & REPAIR OPERATIONS

From the most advanced and critical operation to the simplest task, Norton provides an effective solution. Customers can benefit from the largest stock range of abrasives available anywhere in Europe. On any material Norton can provide you with a range of cost effective solutions for use by hand or machine.



APPLICATION	PRODUCT GROUP	MAIN BENEFITS	PAGE
Sharpening HSS tools	Vitrified bench wheels	Free cutting	
Light to heavy duty cleaning	Bear-TEX sheets	Conformability to complex surfaces	130
Light deburring	Handy rolls	Long lasting cutting edge	102
Building maintenance	Portable diamond blades	Highly versatile product	
Cutting pipe	Cut-off wheels	Fast cut	
Weld & stock removal	Grinding wheels	Fast metal removal	
Blending welds	Flap discs	Versatile and long lasting	53
Deburring	Mounted points	Precise	
Removing imperfections	Specialities	Wide range of items for accessing intricate areas	

## FEATURE PRODUCTS

COATED ABRASIVES/BEAR-TEX	PAGE
Flap Discs	53
Convolute wheels	142

## THE ULTIMATE SOLUTION



The Norton Blaze platform of flap discs, fibre discs, belts and Speed-lok discs offers the ultimate performance, unrivalled product life and highest material removal rates on stainless steels, alloys, carbon steels and hard-to-grind heat sensitive materials.

### THE NORTON BLAZE PLATFORM

## WOODWORKING

Norton has actively developed new solutions with innovative abrasives products in full co-operation with customers over many years. Whatever the machine type is, Norton is in a position to optimise the sanding process. In addition to abrasives dedicated to sophisticated machines, Norton has created a very effective range of tools, easy to use like sponges or sanding block for manual operations. Furthermore, a huge variety of product shapes are available to fit with any particular application that requires specific abrasive types. Typical sectors: carpentry, furniture manufacturer, parquetry (manufacturer and renovation), boat and marine.



APPLICATION	PRODUCT GROUP	MAIN BENEFITS	PAGE
Sanding & finishing of wood	Narrow and wide belts	Long life	108
Sanding contours	Abrasives sanding sponges	Soft and versatile manual finishing	97
Sanding contours	Narrow belts	Very flexible for machine polishing	108
Re-sharpening saw blade	Vitrified wheel	No burn and straight cut	
Sanding	Portable belts	Long life	107
Hand sanding	Paper sheets	Load resistant	94
Bare wood sanding	Cloth rolls	Excellent finish	102
Varnished surface sanding	No-Fil paper discs	Anti-clogging and longer lasting	83
Edges sanding	Polyester narrow belts	Sharp and long lasting belts	111

## FEATURE PRODUCTS

COATED ABRASIVES	PAGE
Norton Ice Discs	79
Multi-Air Discs	74

## THE ULTIMATE SOLUTION



These high performance aluminium oxide belts are ideal for any sanding applications, from rough sanding to finishing operations.

### H236 NARROW & WIDE BELTS

## FLOOR SANDING

Norton leads the development of abrasive technology in this market through innovations such as Norton Red Heat R955 with SG grain which provides the optimum productivity at the lowest cost.



APPLICATION	PRODUCT GROUP	MAIN BENEFITS	PAGE
Drum sanders	Sheets and rolls	Easy to use, load resistant	120
Belt sanders	Belts	Ideal cost/benefit ratio	116
Edger sanders	Discs	Time-saving	124
Buffer sanders	Screenback Double-sided discs	Anti-clogging for a perfect finish	126

## FEATURE PRODUCTS

COATED ABRASIVES/BEAR-TEX	PAGE
Red Heat R955 belts	116
Sand Dollar Discs	127

### THE ULTIMATE SOLUTION



These polyester backed belts are extremely strong and ideal for floor sanding. There's no need to look for any other product when sanding hard wood.

#### RED HEAT R955 BELTS



## FOUNDRY

Norton holds significant expertise in the foundry applications by conducting thorough analysis of the complete abrasive process to help maximize productivity. The products offered are capable of providing incomparable solutions for the most demanding applications in the industry. Typical sectors: aerospace, automotive and medical prosthesis.



APPLICATION	PRODUCT GROUP	MAIN BENEFITS	PAGE
Deburring	Grinding wheels	High stock removal rate	
Removing cracks	Resin bond wheel	Fast operation	
Shaping and deburring	Carbide burrs	Fast cutting	
Gate removal	Supersize Narrow belts	Cool cut for heat sensitive metal	108
Gate removal	Resin mounted wheels	High stock removal rate	
Cutting-off	Large Cut-off wheels	Free cutting	

## FEATURE PRODUCTS

COATED ABRASIVES	PAGE
R980 Blaze belts	240

### THE ULTIMATE SOLUTION



These polyester backed belts are extremely strong and designed for working with metal. They can even be used for intermediate grinding and polishing applications.

#### BLAZE R980P BELTS

## GLASS

Norton offers innovative technological solutions with coated and non-woven abrasives, and supplies a full range of products to cover the various needs for glass converting and finishing operations. Norton has been successful in adapting and evolving its products to match customer's processes in order to meet the most stringent surface quality standards on any type of machine designed for the Glass market. Typical sectors: safety and special glass, building and furniture glass.



APPLICATION	PRODUCT GROUP	MAIN BENEFITS	PAGE
Edge grinding	Narrow belts	High resistant and long life	108
Edge grinding	Cross belts	High quality and resistant	
Edge finishing	Cork belts	High finishing quality	
Removal coating after cutting	Bear-TEX wheels	High performance	142

## THE ULTIMATE SOLUTION



Norax belts provide an unparalleled surface finish on all glass applications. The grit X5 is ideal for final finishing of glass edges. Made to order.

[U366 Norax Narrow Belts](#)

## OIL & GAS

Norton has developed a complete range of abrasives specifically designed for the manufacture and repair of upstream, midstream and downstream components, shipbuilding, oil rigs, pipelines, and petrochemical plants. As well as an extensive variety of abrasives for rough and precision grinding, finishing and polishing, Norton offers new innovations, on-site technical support and bespoke solutions for the engineering challenges faced in the industry.



APPLICATION	PRODUCT GROUP	MAIN BENEFITS	PAGE
OD grinding, plungers	Bonded grinding wheels	Excellent part quality and cost reduction	
ID manual grinding, stabilizer/reamers	Flap discs	Weld preparation & removal	53
Cylindrical grinding rods	Narrow belts for metal	Excellent surface finish	108
Polishing rotors/stators	Non-woven discs	Eliminates process stages, saving time & money	137
Portable off-hand, pipe and weld preparing	Cutting-off and grinding wheels	High stock removal on all materials	

## FEATURE PRODUCT

COATED ABRASIVES	PAGE
Megaline flap discs	84

### THE ULTIMATE SOLUTION



100% high performance zirconia alumina abrasive grain. Specifically engineered heavy cloth optimized for controlled wear characteristics.

#### FLEXOVIT MEGALINE BLUE R828 FLAP DISCS

## MERCHANDISING SOLUTIONS

We have a complete set of Norton branded displays to help showcase our products in all environments, plus off the shelf point-of-sale graphics that can also be tailored to customer requirements whether that's for cutting-off and grinding, stock removal, or surface preparation and finishing.



### NORTON DISPLAY KIT

- The complete kit comes with all components needed to create a full display for any product range.
- Kit contains:  
Base x1, pegboards x4, header x1, shelf x1
- Accessories can be ordered separately as required.

DESCRIPTION	PK QTY	PART NO.
Gondola stand	1	66261147047
Norton header	1	69957308946

**NORTON**

SAINT-GOBAIN

**www****NOW LIVE!**

Announcing the launch of our new global website [www.nortonabrasives.com](http://www.nortonabrasives.com), marking a new day in the online world of Norton Abrasives!

The new Norton site delivers a deeper brand experience by giving users detailed access to products, markets, machines and surfaces. It gives more focus on product selection and key sub-brands, with a cleaner layout and dynamic lifestyle photography, and thanks to a more intuitive navigation and responsive design, the new site is easier to navigate on any mobile device.

Going live is only the start of our journey... we will continually enrich the site with fresh content and new features so that your online experience continues to be as good as it can be.

**EXPLORE...****[www.nortonabrasives.com](http://www.nortonabrasives.com)**

or visit us locally at  
[saint-gobain.com.au](http://saint-gobain.com.au) & [saint-gobain.co.nz](http://saint-gobain.co.nz)

## NEW BRAND INVESTMENT FOR NORTON

Our goal is to strengthen our global position with a further defined brand presence, leveraging Norton's innovative excellence and reinvigorating all touch points through a unified brand experience.

### NEW PACKAGING TO STRENGTHEN BRAND PRESENCE

New and improved graphics rollout to provide a uniform brand experience.



### GLOBAL HARMONISATION OF THE NORTON BRAND

The Norton Saint-Gobain endorsed logo is the global standard for Saint-Gobain Abrasives worldwide.

The new 'Mark' provides a distinctive visual symbol to the Norton brand, symbolising the cutting edge of our brand competencies and representing our Good, Better, Best quality performance tiering, whilst reflecting continued upward growth as the worldwide leader in the abrasives market.

### NEW STYLE MARKETING COLLATERAL THAT CONVEYS TECHNOLOGICAL EXCELLENCE

New style marketing collateral reinforces our leading abrasive position with unparalleled innovation and technological excellence.

## HOW TO ORDER

Please contact your local Customer Service Centre, details can be found on the back page of the catalogue.



When placing an order it helps to have the following information available:

- Your name
- Your account number
- Your order or reference number
- Product article number/s
- Required quantity
- Any special instructions

### E-PARTNER

We offer electronic ordering; through a full EDI ordering facility. If you are interested please contact Customer Service.

If you require additional product or technical information then please do not hesitate to contact your local Customer Service or Sales Representative.

For prices and terms of sale please refer to the price list.

**EDI**  
Electronic Data Interchange

# 31-154

## COATED ABRASIVES & BEAR-TEX NON-WOVENS





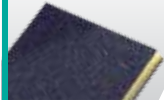


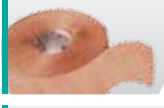











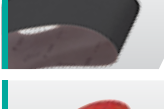



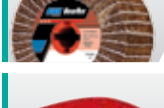
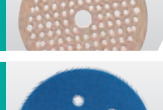













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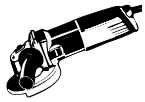
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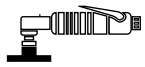
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## ANGLE GRINDER



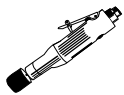
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## FILE BELT MACHINE



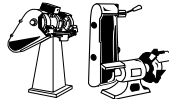
File Belts	104
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## PORTABLE BELT SANDER



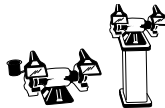
Portable Belts	107
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## BACKSTAND MACHINE



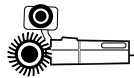
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## BENCH/PEDESTAL GRINDER



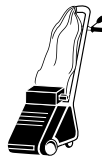
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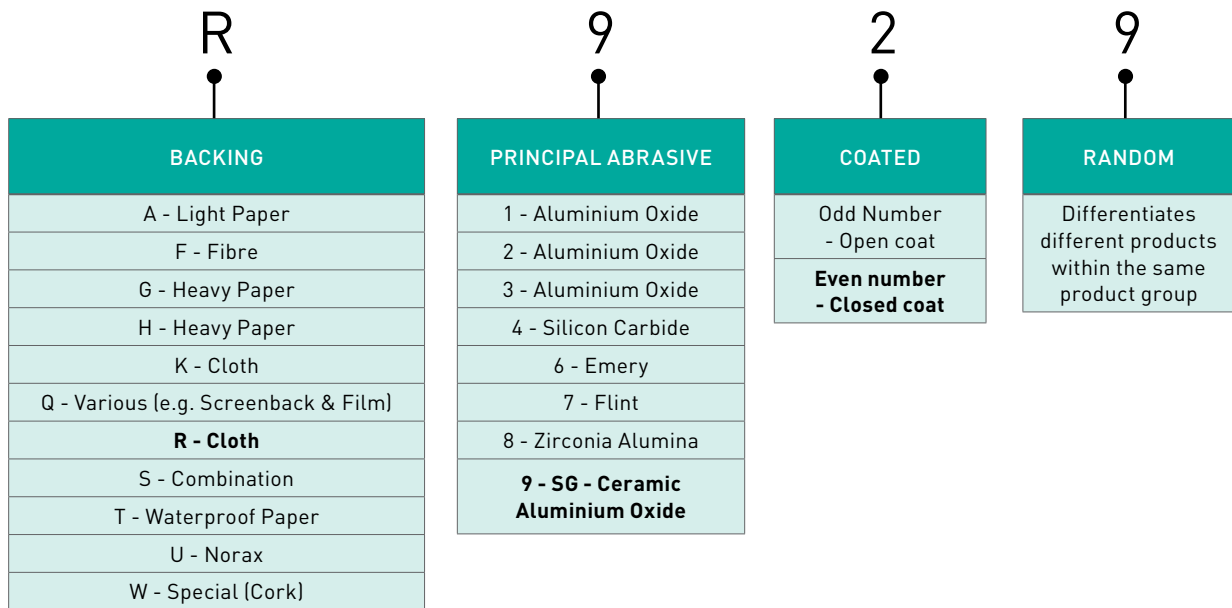
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# INTRODUCTION TO COATED ABRASIVES

The Norton coated abrasive and Bear-Text product offering encompasses a complete range of belts, discs, rolls, sheets and flap wheels for all your polishing, welding, maintenance and repair operations needs. This extensive product range includes products designed for all types of application, including heavy stock removal, dimensioning, grinding, deburring, cleaning, blending, polishing and finishing operations.

## UNDERSTANDING THE PRODUCT

### COATED ABRASIVES



### BACKING TYPES

Whether paper, cloth, vulcanised fibre or polyester film, the backing must be smooth enough for uniform adhesive coating, strong enough to withstand grinding pressures and flexible enough to conform to contours if necessary.

### ABRASIVE BONDS

There are two main types of adhesives in use, one based on animal glue, and the more common based on synthetic heat hardenable resins. The adhesive is applied with a minimum of two bonding applications.

The first, or maker, coat adheres the abrasive grain to the backing ensuring proper anchoring and orientation. After drying, or curing, the second, or sizer, coat is applied. The sizer adhesive, united with the maker bond, provides final grain anchoring and the proper total adhesive level for the finished product.

### ABRASIVE TYPES

The ideal abrasive grain offers maximum resistance to point wear, yet fractures before serious dulling occurs, thereby satisfying both stock removal and finishing requirements.

### NATURAL ABRASIVES

Emery is a natural composite of corundum and iron oxide. The particles are blocky in shape and tend to cut slowly, thereby producing a polishing action on the material being abraded. Used for general maintenance and polishing of metals and in very fine grits for highly technical polishing, such as preparing metallurgical specimens requiring very close tolerances. Emery products are black in colour.

## SYNTHETIC ABRASIVES

- Aluminium oxide is tough and well adapted to grinding high tensile materials, such as carbon steel, alloy steels, tough bronze and hard woods. Wherever toughness (ability to resist fracturing) is the main consideration, aluminium oxide out performs all other coated abrasive grains
- Silicon carbide is the hardest and sharpest of the minerals used in coated abrasives. Its hardness and sharpness make it the ideal abrasive for sanding non-ferrous metals (aluminium, brass, bronze, magnesium, titanium, etc.), rubber, glass, plastics, fibrous woods, enamel and other relatively soft materials. Silicon carbide is superior to any other abrasive in its ability to penetrate and cut faster under light pressure
- Zirconia alumina has a unique self-sharpening characteristic which gives it long life on rugged stock removal operations. Zirconia alumina is well suited for heavy grinding of metals and planing of wood, because the controlled fracturing of the grain continuously produces sharp, new abrading points
- Ceramic aluminium oxide is a long-lasting, tough, dense abrasive due to its micro structure. The extremely small micron size particles break off during grinding, producing multiple new cutting edges. As it stays sharp, especially when used in medium and high pressure operations, it cuts at a higher rate than other abrasives. Recommended for use on forged and carbon steels, high nickel and cobalt alloys.

## DIFFERENTIATION IN THE RANGE

Norton offers the industry's widest selection of coated abrasives to meet every customer requirement. The wide range of abrasive types used in the range are classified into 3 tiers by product shape (Best/ Better/ Good) to help you choose the right product for your specific application.



Using unparalleled abrasive technology, and extremely high performance abrasive grains, Norton provides innovative product solutions dedicated to improving productivity in all industrial applications



These technologically advanced products meet the demands of the most discerning user giving the highest productivity and the longest product life for the lowest operating costs



The core of the Norton Coated Abrasive offering. These products are designed to give superior performance solutions in all abrasive applications, giving high productivity levels and low total abrasive costs



Standard Norton products that give highly durable solutions with good performance levels

## PRODUCT SELECTION GUIDE

Norton offers a diverse range of products that are suitable for all commonly encountered industrial applications. To enable more effective product selection an overview of appropriate products for the main applications is given in the following pages. Pictograms and colours are used to represent the applications and these are repeated with the product details in the main section.

	FERROUS		NON-FERROUS
	HARD WOOD		SOFT WOOD
	PAINT & VARNISH		
	GLASS ARISING		
	STONE		
	SHOE REPAIR		

For further information please go to the Technical Information Section at the back of this catalogue.

# INTRODUCTION TO BEAR-TEX NON-WOVEN PRODUCTS

Bear-TEX consists of a backing in “non-woven” nylon fibres evenly impregnated with abrasive granules through the binding action of synthetic resins. This structure forms a “three-dimensional” abrasive material. Since this product was created as a finishing tool for operations where no material need be removed, it is particularly suitable for buffing-up purposes or to reduce the roughness of a surface: Bear-TEX begins to act when other abrasive tools have terminated their work. In all those situations where a buffing, cleaning or finishing operation is required, the Bear-TEX product is decidedly a must.

## UNDERSTANDING THE PRODUCT

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

USED WET OR DRY, BEAR-TEX 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 Bear-TEX products an excellent alternative to bristle brushes, set-up wheels, greaseless compounds, and steel wool. Operators quickly learn the techniques of using Bear-TEX products to produce eye catching finishes.

BEAR-TEX PRODUCTS CAN BE USED ON A WIDE VARIETY OF SURFACES

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

APPLICATIONS INCLUDE

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

## APPLICATION / GRIT RECOMMENDATION

COARSE (GRINDING)							FINE (FINISHING)					
Grit	24	30	36	40	50	60	80	100	120	150-180	180-320 +	
Cutting-off & grinding wheels	Cutting-off											
	Heavy Duty Grinding											
Coated abrasives	Stock Removal											
		Blending & Refining										
		Deburring										
		Surface Preparation & Cleaning										
Bear-TEX							Coarse		Medium	Very Fine		

## ABRASIVE TYPES

**BEAR-TEX** 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 Bear-TEX product that acts more aggressively and produces a coarse surface finish. Small size particles result in a Bear-TEX 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 Bear-TEX 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 workforce.

### BOND TYPES

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

# PRODUCT AVAILABILITY TABLE

Key: Grit availability

<span style="display:inline-block; width:15px; height:15px; background-color:#008080; border:1px solid #008080;"></span> Standard Norton products	<span style="display:inline-block; width:15px; height:15px; background-color:#008080; border:1px solid #008080; text-align:center; vertical-align:middle;">▼</span> Speed Grip Backing
<span style="display:inline-block; width:15px; height:15px; background-color:#008080; border:1px solid #008080; border-radius:50%; text-align:center; vertical-align:middle;">●</span> PSA (Stick 'n' Sand) Backing	<span style="display:inline-block; width:15px; height:15px; background-color:#008080; border:1px solid #008080; text-align:center; vertical-align:middle;">S</span> Soft-Touch
<span style="display:inline-block; width:15px; height:15px; background-color:#FFA500; border:1px solid #FFA500;"></span> Custom	<span style="display:inline-block; width:15px; height:15px; background-color:#00AEEF; border:1px solid #00AEEF;"></span> Planned

Key: Shape availability

<span style="display:inline-block; width:15px; height:15px; background-color:#008080; border:1px solid #008080;"></span> Standard availability
<span style="display:inline-block; width:15px; height:15px; background-color:#008080; border:1px solid #008080; text-align:center; vertical-align:middle;">BSG P600 Stock</span> Specific availability (BSG only, P600 only, stock only)
<span style="display:inline-block; width:15px; height:15px; background-color:#008080; border:1px solid #008080; text-align:center; vertical-align:middle;">No BFL</span> Restricted availability (no BFL)
<span style="display:inline-block; width:15px; height:15px; background-color:#008080; border:1px solid #008080; text-align:center; vertical-align:middle;">FW</span> Available only in full jumbo width

## A,B AND C WEIGHT PAPER PRODUCTS

CAP CODE	BACKING	ABRASIVE	PRODUCT COLOUR	BOND	COMMENTS	USEABLE WIDTH (mm)	GRADING	GRIT SIZE													
								NO GRIT	5µ-3000	8µ-2500	10µ-2000	12µ-1500	16µ-1200	1000	800	600	500	400	360		
A275	B	AO HEAT TREATED	Brown	UF/UF	No Fil	1375	FEPA							▼● S	▼● S	▼● S	▼● S	▼● S	▼● S		
A239	B/C	AO	White	UF/UF	No Fil, P80 to P120 in C-Weight. Finer in B-Weight	1380	FEPA														
A975	B/C	SG/AO	Blue	UF/UF	No Fil, P80 to P120 in C-Weight. Finer in B-Weight		FEPA							S	▼ S	▼ S	▼ S	▼ S			
A294	C	AO	Red	G/UF			CAMI														
A297	C	AO HEAT TREATED	White	UF/UF	No Fil P80 to P400	1380	FEPA												▼●		
C2A-DD	C	AO	White	PF	No Fil Oval Pattern	1060	JIS												▼		
C2A-MD	C	AO	White	PF	No Fil Micro Dot Pattern	1060	JIS												▼		

## WATERPROOF PAPER PRODUCTS

CAP CODE	BACKING	ABRASIVE	PRODUCT COLOUR	BOND	COMMENTS	USEABLE WIDTH (mm)	GRADING	GRIT SIZE											
								4,000	5µ-3000	8µ-2500	10µ-2000	12µ-1500	16µ-1200	1000	800	600	500	400	360
T226	C	AO	Red	V/PF	P240-P1500 PF/PF		FEPA												
T417	B/C	SIC	Black	V/PF	P60 to P220 in C-wt/P180 to 2000 B-wt		FEPA												
T402	C	SIC	Black	V/PF	J2500		JIS												
T401	C	SIC	Black	V/PF	J2000, J2500, J1500		JIS												
L41PC	C	SIC	Black	PF/PF			JIS												

GRIT SIZE																SHAPE AVAILABILITY								
	320	280	240	220	180	150	120	100	80	60	50	40	36	30	24	20	16	CAP CODE	BELTS W ≤ 400MM	BELTS W > 400mm	DISCS	STD SHEETS	CUT SHEETS	ROLLS
	▼• S	▼•	▼•	▼•	▼•	▼•	▼•	▼•	▼•									A275			▼•	Stock	▼•	▼ Only
																		A239				Stock		Stock
	▼• S		▼ S		▼	▼	▼		▼									A975			Stock		Stock	Stock
																		A294				Stock		Stock
	▼•	•	▼•	•	▼•	▼•	▼•	▼•	▼•									A297			▼ Only			
	▼		▼															C2A-DD			▼ Only		▼ Only	▼ Only
	▼		▼															C2A-MD			▼ Only		▼ Only	▼ Only

GRIT SIZE																SHAPE AVAILABILITY								
	320	280	240	220	180	150	120	100	80	60	50	40	36	30	24	20	CAP CODE	BELTS W ≤ 400MM	BELTS W > 400mm	DISCS	STD SHEETS	CUT SHEETS	ROLLS	
																		T226				Stock		
																		T417				Stock		Stock
																		T402			Stock			
																		T401			Stock			
																		L41PC						

## D, E AND F WEIGHT PAPER PRODUCTS

CAP CODE	BACKING	ABRASIVE	PRODUCT COLOUR	BOND	COMMENTS	USEABLE WIDTH (mm)	GRADING	GRIT SIZE														
								NO GRIT	5µ-3000	8µ-2500	10µ-2000	12µ-1500	16µ-1200	1000	800	600	500	400	360			
A123	D	AO White	Yellow	UF/UF	Semi-open coat	1310	FEPA															
D2A-D	D	AO	Brown	PF	Dot pattern	1060	JIS															
D2A-DD	D	AO	White	PF	No-Fil, dot pattern	1060	JIS															
E2A-D	E	AO	Brown	PF	Dot pattern	1060	JIS															
E2A-DD	E	AO	White	PF	No-Fil, dot pattern	1060	JIS															
E2A-S	E	AO	Black	PF	Stripe pattern	1380	JIS															
G216	E	AO	Yellow	UF/UF	Open coat	1345	FEPA															
H212	E	AO White	Yellow	UF/UF	Open coat	1320	FEPA															
H233	E	AO	White	UF/UF	No-Fil P36 - P60	1150	FEPA															
H231	E	AO	Maroon	PF/PF	Anti-static, semi open coat		FEPA															
H236	F	AO High Perform	Maroon	PF/PF	Anti-static, semi open coat	1370	FEPA															
H425	E	SIC	Black	PF/PF	Close coat	1250	FEPA															
H875P	E	NZ	Blue	PF/PF			CAMI															
ARKFEO	F	AO	Black		Anti-static, extra open coat	1370	FEPA															
H835F	F	NZ/AO	Blue	PF/PF	FSC paper, open coat		FEPA															
H955	F	SG	Red	PF/PF		1325	FEPA															

E\* = 185gr F+ = 270gr

## FILM PRODUCTS

CAP CODE	BACKING	ABRASIVE	PRODUCT COLOUR	BOND	COMMENTS	USEABLE WIDTH (mm)	GRADING	GRIT SIZE														
								1µ	3µ	5µ-3000	6µ	8µ-2500	9µ	10µ-1500	12µ-1500	15µ-1200	18µ-1000					
Q255	Foam	AO	Coloured by grit	PF	Hook & Loop Backing		FEPA			▼ S		▼ S		▼ S								
Q175 Pure Ice	3mil film	AO white	White	UV	No-Fil		JIS									▼	▼	▼				
Q275 Pro Film	3mil film	AO Heat Treated	Yellow	UF/UF	No-Fil		FEPA									▼	▼	▼				
Q135	3mil film	AO white	Coloured by grit	UV	Ophthalmic markets		MICRON															
Q351R	5mil film	AO white	Coloured by grit	UV	Rough Backcoat		MICRON															
Q351S	5mil film	AO white	Coloured by grit	UV	Smooth Backcoat		MICRON															
L12F3	3mil film	AO white	Coloured by grit	UV	Lapping film		MICRON															
L41F3	3mil film	SIC	Grey	UV	Lapping film		MICRON															
L61F3	3mil film	Diamond	Coloured by grit	UV	Lapping film		MICRON															
L67F3	3mil film	Diamond	Coloured by grit	UV	Lapping film		MICRON															
M631	3mil film	Nanozyte Diamond	Tan	UV	Lapping film Nanozyte		MICRON															



GRIT SIZE																SHAPE AVAILABILITY							
320	280	240	220	180	150	120	100	80	60	50	40	36	30	24	20	16	CAP CODE	BELTS W ≤ 400MM	BELTS W > 400mm	DISCS	STD SHEETS	CUT SHEETS	ROLLS
																	A123						
				▼	▼	▼											D2A-D			▼ Only		▼ Only	▼ Only
				▼	▼	▼											D2A-DD			▼ Only		▼ Only	▼ Only
								▼	▼								E2A-D			▼ Only		▼ Only	▼ Only
								▼	▼								E2A-DD			▼ Only		▼ Only	▼ Only
																	E2A-S						
																	G216					▼	▼
																	H212					Stock	Stock
																	H233			▼		▼	▼
																	H231			▼		▼	▼
																	H236						
																	H425			▼			
																	H875P			Stock			
																	ARKFEO						
																	H835F					Stock	
																	H955			Stock			

GRIT SIZE																SHAPE AVAILABILITY									
19µ-1000	20µ-800	22µ-800	25µ-600	30µ-500	35µ-400	40µ	45µ	46µ-320	50µ	59µ-240	60µ-220	73µ-180	75µ	80µ	90µ-150	100µ	110µ-120	180µ-80	CAP CODE	BELTS W ≤ 400MM	BELTS W > 400mm	DISCS	STD SHEETS	CUT SHEETS	ROLLS
																			Q255			Stock			
																			Q175 Pure Ice			Stock			
																			Q275 Pro Film			Stock			
																			Q135						
																			Q351R						
																			Q351S						
																			L12F3						
																			L41F3						
																			L61F3						
																			L67F3						
																			M631						

## FIBRE AND SCREENBACK PRODUCTS

CAP CODE	BACKING	ABRASIVE	PRODUCT COLOUR	BOND	COMMENTS	USEABLE WIDTH (mm)	GRADING	GRIT SIZE												
								NO GRIT	5µ-3000	8µ-2500	10µ-2000	12µ-1500	16µ-1200	1000	800	600	500			
F226	0,8mm	A0	Marron	PF/PF			FEPA													
F827	0,8mm	NZ/A0	Blue	PF/PF			FEPA													
F980	0,8/1.0mm	SG	Supersize	PF/PF	Supersize, C24-C50 1.0mm, finer 0.8mm		CAMI													
Q421	GRID	SIC	Screenbak	PF/PF	Screen-bak	1150	CAMI													
Q955	GRID	SG	Screenbak	PF/PF	Screen-bak		FEPA													

## COTTON/POLYCOTTON CLOTH PRODUCTS

CAP CODE	BACKING	ABRASIVE	PRODUCT COLOUR	BOND	COMMENTS	USEABLE WIDTH (mm)	GRADING	GRIT SIZE												
								NO GRIT	5µ-3000	8µ-2500	10µ-2000	12µ-1500	16µ-1200	1000	800	600	500			
K283	J cotton	A0	Brown	UF/UF	Close coat		FEPA													
J2A-H	J cotton	A0	Black	PF	Diamond pattern	305	JIS													
R296	JJ cotton	SG/A0	Green	PF/PF	Supersize	305	FEPA													
RKJFO	J cotton	A0	Brown	UF/UF	Open coat	1170	FEPA													
R219P	X cotton	A0	Brown	UF/UF	Close coat		FEPA													
R228	X cotton	A0	Brown	PF/PF	Close coat		CAMI													
R265	X cotton	A0	Maroon	PF/PF	Flap Disc	1500	FEPA													
R207	X cotton	A0	Maroon	PF/PF	Flap Wheel		FEPA													
R206	X polycotton	A0	Maroon	PF/PF	Close coat		FEPA													
XW341	X polycotton	A0 White	Brown	PF/PF	Open coat	1350	FEPA													
XA517	X polycotton	A0	Maroon	PF/PF	Supersize	1350	FEPA													
R413	X polycotton	SIC	Red	UF-Acr/ PF	Open coat	1280	FEPA													
R842	X cotton	NZ/A0	Blue	PF/PF	Flap Disc		FEPA													
R809	X polycotton	NZ	Blue	PF/PF	Open coat	1350	FEPA													
R828	X polycotton	NZ	Blue	PF/PF	Flap Disc		FEPA													
R884P	X polycotton	NZ	Blue	PF/PF	Mini Flap Disc		FEPA													
R821P	Y cotton	NZ/A0	Blue	PF/PF	Close coat		CAMI													
ZRX07	Y cotton	NZ/A0	Blue	PF/PF	Close coat		CAMI													
R946	J polycotton	SG/A0	Red	PF/PF	Supersize & Superflexible	300	FEPA													

GRIT SIZE																	SHAPE AVAILABILITY								
400	360	320	280	240	220	180	150	120	100	80	60	50	40	36	30	24	20	16	CAP CODE	BELTS W ≤ 400MM	BELTS W > 400mm	DISCS	STD SHEETS	CUT SHEETS	ROLLS
																			F226			Stock			
																			F827			Stock			
																			F980			Stock			
																			Q421						
																			Q955			Stock			

GRIT SIZE																	SHAPE AVAILABILITY								
400	360	320	280	240	220	180	150	120	100	80	60	50	40	36	30	24	20	16	CAP CODE	BELTS W ≤ 400MM	BELTS W > 400mm	DISCS	STD SHEETS	CUT SHEETS	ROLLS
																			K283				Stock		Stock
																			J2A-H						
																			R296						
																			RKJF0						
																			R219P	Stock					
																			R228						
																			R265						
																			R207						
																			R206						
																			XW341						
																			XA517						
																			R413						
																			R842						
																			R809						
																			R828						
																			R884P						
																			R821P						
																			ZRX07						
																			R946						

## POLYESTER CLOTH PRODUCTS

CAP CODE	BACKING	ABRASIVE	PRODUCT COLOUR	BOND	COMMENTS	USEABLE WIDTH (mm)	GRADING	GRIT SIZE												
								NO GRIT	5µ-3000	8µ-2500	10µ-2000	12µ-1500	16µ-1200	1000	800	600	500			
R293	X/Y poly	A0	Maroon	PF/PF	P24 to P60 with 10% SG	1500	FEPA													
R279	Y poly	Aggreg A0	Maroon	PF/PF	Open coat Replaces R275	1400	FEPA													
X871KN	X poly	SIC	Black	PF	Waterproof	1320	CAMI													
X965	X poly	SIC	Black	PF	Waterproof	1320	CAMI													
R824	Y poly	NZ/A0	Blue	PF/PF	Close coat	1327	CAMI													
R801	Y poly	NZ	Green	PF/PF	Supersize		CAMI													
R929	X poly	SG/A0	Green	PF/PF	Flap Disc		FEPA													
R995P Red Heat	X poly	SG	Red	PF/PF	Antistatic		FEPA													
CRY01	Y poly	SG/A0	Red	PF/PF	Supersize		CAMI													
R976 Red-X	Y poly	SG/A0	Red	PF/PF	Supersize	300	FEPA													
R980P Blaze	Y poly	SG	Orange	PF/PF	Supersize	1327	CAMI													
W445	Y poly	Cork	Beige	PF/PF	Cork polishing															

## NORaX PRODUCTS

CAP CODE	BACKING	ABRASIVE	PRODUCT COLOUR	BOND	COMMENTS	USEABLE WIDTH (mm)	GRADING	GRIT SIZE												
								NO GRIT	5µ-3000	8µ-2500	10µ-2000	12µ-1500	16µ-1200	1000	800	600	500			
U264	X cotton	A0	Brown/White	UV	NORaX tri-helical	305	MICRON						X16		X22					
U254	X cotton	A0	White	UV	NORaX pyramid	305	MICRON	X5												
U366	Y poly	A0	White	UV	NORaX tri-helical	305	MICRON	X5												
U466	Y poly	SIC	Green	UV	NORaX tri-helical	305	MICRON													

GRIT SIZE																	SHAPE AVAILABILITY									
400	360	320	280	240	220	180	150	120	100	80	60	50	40	36	30	24	20	16	CAP CODE	BELTS W <sub>≤</sub> 400MM	BELTS W <sub>&gt;</sub> 400mm	DISCS	STD SHEETS	CUT SHEETS	ROLLS	
																			R293							
																			R279							
																			X965							
																			X965							
																			R824							
																			R801							
																			R929							
																			R995P Red Heat	Stock						
																			CRY01							
																			R976 Red-X							
																			R980P Blaze							
																			W445							

GRIT SIZE																	SHAPE AVAILABILITY										
400	360	320	280	240	220	180	150	120	100	80	60	50	40	36	30	24	20	16	CAP CODE	BELTS W <sub>≤</sub> 400MM	BELTS W <sub>&gt;</sub> 400mm	DISCS	STD SHEETS	CUT SHEETS	ROLLS		
																			U264								
																			U254								
																			U366								
																			U466								

# NON-WOVEN PRODUCT AVAILABILITY

## SCM CAP CODE OVERVIEW: AVAILABLE IN BELTS AND DISCS

POPULAR FORM	UNIVERSAL GRADE	MINERAL	RAPIDPREP	VORTEX RAPIDPREP	
Wide Belts / Discs	Coarse	A0	S2208 (Stock)	S2203	RapidPrep LF (SCRIM BACK)
	Medium	A0	S2308 (Stock)	S2303	
	Very Fine	A0	S2508 (Stock)	S2503	
Narrow Belts & File Belts	Coarse	A0	S2238		RapidPrep XF
	Medium	A0	S2338		
	Very Fine	A0	S2538		

## FLAT STOCK: AVAILABLE IN HANDPADS, ROLLS AND SHEETS.

Cap code	F2316	F4302	F2502	F2504	F2543	F2505	F4601	F4807	F4614	F2802	F0001
Product	740HD	746	777	747	747 TF Thin Flex	796	635	748	748 TF Thin Flex	914	456
Description	Heavy Duty	Blending	Long life	General Purpose Plus	General Purpose	Scouring	Clean & Finish	Final Shine	Final Shine	Clear Blend Prep	Cleaning
Grade	Extra Cut	Medium	Very Fine	Very Fine	Very Fine	Very Fine	Ultra Fine	Micro Fine	Micro Fine	Micro Fine	None
Mineral	Aluminium Oxide	Silicon Carbide	Aluminium Oxide	Aluminium Oxide	Aluminium Oxide	Aluminium Oxide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Aluminium Oxide	None
Steel Wool Equivalent	4 Extra Coarse	3 Coarse	1 Medium	1 Medium	1 Medium	0 Fine	00 Very Fine	00 Very Fine	00 Very Fine	000 Extra Fine	0000 Super Fine
Target substrate	Stainless Steel	Welds Aluminium, Stainless	Light Cleaning Metal, Plastics, Stone	Light Cleaning Metal, Plastics, Stone	Light Cleaning Metal, Plastics, Stone	Remove Oxidation Marks from Steel, Stainless	Light Cleaning most surfaces, Denibbing Plastics	Final Finishing wood, metal, plastics	Final Finishing wood, metal, plastics	Precious Metals, Varnished Wood, Clear Coat	All Substrates

INNOVATIVE  
MATERIALS



  
SAINT-GOBAIN

ABRASIVES

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- Identify abrasives solutions
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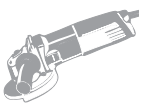
AUSTRALIA **1300 007 650**

NEW ZEALAND **09 834 7119**

  
SAINT-GOBAIN







## FIBRE DISCS

From rapid weld grinding to blending and finishing, Norton has a complete range of high performance fibre discs available in premium performance Norton SG ceramic aluminium oxide, zirconia alumina, and aluminium oxide abrasives. All fibre discs in the Norton range feature a full resin bond system with heavy duty fibre backing for increased strength, durability and tear resistance.

### APPLICATIONS & MARKETS

- Material removal
- Weld grinding & blending
- Light deburring & finishing
- Car manufacturing
- Metal fabrication
- Welding & foundry markets
- Transport markets



### FIBRE DISCS

## BLAZE FIBRE DISCS F980

BEST +++++ INNOVATION



#### FEATURES

- New SG ceramic abrasive
- Supersize grinding aid
- Improved resin bond system
- 0.84/0.80mm improved fibre backing

#### BENEFITS

- Exceptionally high performance
- High material removal even at low pressure
- Generates an excellent surface finish
- Minimises heat, loading and glazing on stainless, titanium and super alloys
- Improved grain retention for longer life
- Exceptionally long life and durability

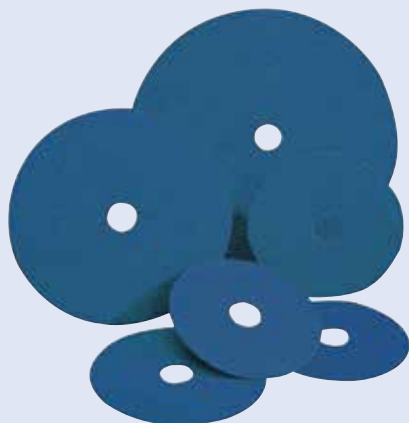
DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	24	25	F980	66261053168	662610531680
	36	25	F980	66261053170	662610531703
	50	25	F980	66261085524	662610855243
	60	25	F980	66261062965	662610629653
	80	25	F980	66261062966	662610629660
	120	25	F980	66254436181	662544361810
115 x 22	24	25	F980	69957398000	699573980002
	36	25	F980	69957398001	699573980019
	50	25	F980	69957398002	699573980026
	60	25	F980	69957398003	699573980033
	80	25	F980	69957398004	699573980040
	120	25	F980	66254425332	662544253320

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	24	25	F980	69957398005	699573980057
	36	25	F980	69957398006	699573980064
	50	25	F980	69957398007	699573980071
	60	25	F980	69957398008	699573980088
	80	25	F980	69957398009	699573980095
	120	25	F980	66254409084	662544090840
178 x 22	24	25	F980	69957398010	699573980101
	36	25	F980	69957398011	699573980118
	50	25	F980	69957398012	699573980125
	60	25	F980	69957398013	699573980132
	80	25	F980	69957398014	699573980149
	120	25	F980	66254411528	662544115284

NORZON FIBRE DISCS F827

BETTER ++++

**NorZon**<sup>®</sup>










FEATURES

- Norzon abrasive
- 0.8mm fibre backing

BENEFITS

- General purpose
- Ideal for grinding, shaping, blending, edge breaking & weld
- High & regular cut rate
- Good for high metal removal in a short time
- Excellent price-performance ratio

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 100 x 16	24	25	F827	63642531831	9310357205708
	36	25	F827	63642531839	9310357205692
	60	25	F827	66261061296	9310357206774
 115 x 22	24	25	F827	63642533048	9310357206729
	36	25	F827	66261061298	9310357206736
	60	25	F827	63642560658	9310357206781
 125 x 22	24	25	F827	66261176682	9310357258612
	36	25	F827	63642539602	9310357206743
	60	25	F827	66261176659	9310357206798
 178 x 22	24	25	F827	66261061165	9310357202202
	36	25	F827	66261061166	9310357202219
	60	25	F827	66261061167	9310357202226

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 x 22	24	25	F827	69957360048	3157620306832
	36	25	F827	63642539615	3157620306849
	60	25	F827	63642539616	3157620306863
	80	25	F827	63642539617	3157620306870
 125 x 22	120	25	F827	63642533055	3157620306825
	24	25	F827	63642539619	3157620306962
	36	25	F827	63642536483	3157620306979
	60	25	F827	69957360057	3157620306993
 178 x 22	80	25	F827	63642539622	3157620307006
	120	25	F827	63642533056	3157620307020
	36	25	F827	63642533063	3157620307334
	60	25	F827	63642533065	3157620307358
	80	25	F827	63642533066	3157620307365
	120	25	F827	63642533068	3157620307389

NORTON BACKING PADS

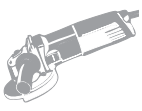
ACCESSORIES



**Turbo Back-up pad**

With ribbed surface to draw heat away from the grinding zone, and produce a more aggressive cutting action whilst reducing disc loading and increasing life of the fibre disc.

DIA (MM)	THREAD	PK QTY	PRODUCT CODE	BARCODE
102	M10 - 1.5	1	66623320033	9310357260356
115	M14 - 2.0	1	66623320034	9310357260363
125	M14 - 2.0	1	66623320048	9310357706250
178	M14 - 2.0	1	66623320049	9310357706243



**FIBRE DISCS**

**ALUMINIUM OXIDE FIBRE DISCS F226**

**GOOD +++**



**FEATURES**

- Tough versatile aluminium oxide abrasive
- 0.8mm fibre backing
- Grinding additives

**BENEFITS**

- Versatile product (ideal for steel and metal alloys)
- Ideal for general purpose applications
- Good performance on steel

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	16	25	F226	66623320424	9310357201960
	24	25	F226	66623320440	9310357201977
	36	25	F226	66623320436	9310357201984
	50	25	F226	66623320428	9310357201991
	60	25	F226	66623320432	9310357202004
	80	25	F226	66623320420	9310357202011
	100	25	F226	66623320422	9310357202028
	120	25	F226	66623320448	9310357202035
115 x 22	24	25	F226	66623320439	9310357205715
	36	25	F226	66623320435	9310357206880
	50	25	F226	66623320427	9310357206910
	60	25	F226	66623320431	9310357206927
	80	25	F226	66623320419	9310357206958
	120	25	F226	66623320446	9310357206842

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	16	25	F226	66623320447	9310357202042
	24	25	F226	66623320438	9310357202059
	36	25	F226	66623320434	9310357202066
	50	25	F226	66623320426	9310357202073
	60	25	F226	66623320430	9310357202080
	80	25	F226	66623320423	9310357202097
	100	25	F226	66623320421	9310357202103
	120	25	F226	66623320416	9310357202110
178 x 22	16	25	F226	66623320441	9310357202127
	24	25	F226	66623320437	9310357202134
	36	25	F226	66623320433	9310357202141
	50	25	F226	66623320425	9310357202158
	60	25	F226	66623320429	9310357202165
	80	25	F226	66623320418	9310357202172
	100	25	F226	66623320415	9310357202189
	120	25	F226	66623320417	9310357202196

**NORTON BACKING PADS**

**ACCESSORIES**



**Standard Back-up pad**

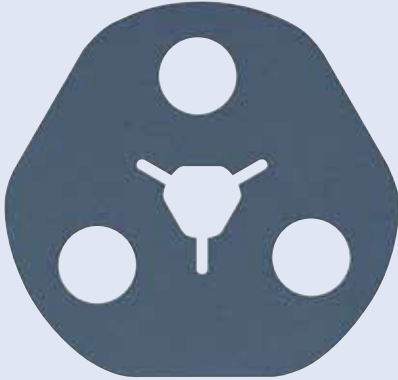
A moulded plastic with a smooth face this medium density pad is designed for all-purpose grinding and sanding applications offering mild flexibility for blending of the contoured surface.

DIA [MM]	THREAD	PK QTY	PRODUCT CODE	BARCODE
100	M10 - 1.5	1	66623320044	9310357706199
115	M14 - 2.0	1	66623320045	9310357706212
125	M14 - 2.0	1	66623320046	9310357706229
178	M14 - 2.0	1	66623320047	9310357706236

AVOS NORZON FIBRE DISCS F827

BETTER ++++

**NorZon**<sup>®</sup>



FEATURES

- Norzon abrasive
- Patented see-thru design

BENEFITS

- Sheet metal and stainless steel fabrication
- Allows operator to see through the disc to the surface of the workpiece during the grinding process
- Cool cutting and extended product life

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 x 22	24	25	F828	05539503090	7891345101742
	36	25	F828	05539503091	7891345101759
	50	25	F828	05539503092	7891345101766
	60	25	F828	05539503094	7891345101773
	80	25	F828	05539503096	7891345101797

AVOS 5 DEGREE BACK-UP PADS

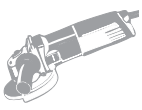
ACCESSORIES



AVOS 5 Degree Back-up pad

- Pad designed to grind at a flatter angle (5° - 15°).
- Shaped locking nut ensures correct location of the holes on the disc and pad

DIA (MM)	DESCRIPTION	PK QTY	PRODUCT CODE	BARCODE
115 x 22	5 Back-up pad M14 x 2 nut	1	66623324416	9415900999612
115 x 22	Replacement nylon back-up pad (no nut or washer)	10	66623324417	9415900999797



# FLAP DISCS

Flap discs are engineered for multiple applications including light stock removal, blending and finishing, meaning they can help reduce processing times and lower costs. Flap discs have a fast cut and provide a better finish than fibre while having the added benefit of a longer life.

## APPLICATIONS & MARKETS

- Stock removal
- Edge chamfering
- Deburring
- Rust/paint removal
- Cleaning & finishing
- Grinding & blending welds



### FLAP DISCS



TYPE 29 CONICAL

## BLAZE R980

BEST +++++ INNOVATION



### FEATURES

- Latest generation ceramic alumina abrasive grain
- Y-weight polyester backing
- New resin system for high grain retention
- 3rd layer supersize treatment

### BENEFITS

- Very aggressive and consistent cut rate
- High and fast stock removal
- Maximum and long lasting performance
- Advanced cooling system

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	40	10	R980P	66254412097	662544120974
	60	10	R980P	66261193211	662611932110
	80	10	R980P	66254412098	662544120981
115 x 22	40	10	R980P	66261183487	662611834872
	60	10	R980P	66261183488	662611834889
	80	10	R980P	66261183489	662611834896

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	40	10	R980P	66261190002	662611900027
	60	10	R980P	66261190003	662611900034
	80	10	R980P	66261190004	662611900041
178 x 22	40	10	R980P	66261183495	662611834957
	60	10	R980P	66261183496	662611834964
	80	10	R980P	66261183497	662611834971



MEGA-LINE TWIN POWER R929/R828

BEST +++++



FEATURES

- Premium SG ceramic aluminium oxide & zirconia alumina abrasive blend
- Alternating flaps
- Heavy cotton cloth
- High content of active filler
- Fibreglass backing

BENEFITS

- Aggressive stock removal with less pressure
- Increased performance on steel

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	40	5	R929	69957348113	9314188130079
	60	5	R828	69957348115	9314188130086

MEGA-LINE BLUE R828

BETTER ++++



FEATURES

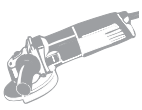
- 100% high performance zirconia alumina abrasive grain
- Specifically engineered heavy cloth optimized for controlled wear characteristics
- Durable innovative bond system

BENEFITS

- Fast and consistent cut
- Best for mid/heavy duty application
- Increased life time and cut renewal
- Low vibration

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	40	10	R828	63642582376	9314188380016
	60	10	R828	63642582370	9314188380054
	80	10	R828	63642582377	9314188380092
	120	10	R828	66261039197	9314188380146
115 x 22	40	10	R828	66261039206	9314188380535
	60	10	R828	66261039219	9314188380573
	80	10	R828	66261039220	9314188380610
	120	10	R828	66261039221	9314188380665

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	40	10	R828	66261039207	9314188381549
	60	10	R828	66261039225	9314188381587
	80	10	R828	66261039226	9314188381624
	120	10	R828	66261039227	9314188381679
180 x 22	40	10	R828	66261039222	9314188381020
	60	10	R828	66261039223	9314188381068
	80	10	R828	66261039224	9314188381105
	120	10	R828	66261039285	9314188381150



**FLAP DISCS**



TYPE 29 CONICAL

NORLINE R842

BETTER ++++



**FEATURES**

- High performance Norzon zirconia alumina abrasive grain
- Heavy cotton cloth
- Fibreglass backing

**BENEFITS**

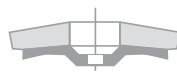
- Good stock removal

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	40	5	R842	77696088177	3157629579565
	60	5	R842	77696088176	3157629579558
	80	5	R842	77696088178	3157629579572
	120	5	R842	63642580352	3157629630037
115 x 22	40	5	R842	77696088179	3157629579589
	60	5	R842	77696088180	3157629579596
	80	5	R842	77696088181	3157629579602
	120	5	R842	63642580353	3157629630044

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	40	5	R842	77696088184	3157629579619
	60	5	R842	77696088185	3157629579626
	80	5	R842	77696088186	3157629579633
	120	5	R842	63642580356	3157629630051
180 x 22	40	5	R842	63642580358	3157629630068
	60	5	R842	63642580360	3157629630075
	80	5	R842	63642580364	3157629630082
	120	5	R842	63642580367	3157629630099

**PRODUCT SELECTION GUIDE**

MATERIAL	BEST ***** INNOVATION	BEST ++++++	BETTER ++++	GOOD +++
Heat sensitive alloys / High strength steel / Hard to grind metals	Blaze	Mega Line Twin	Mega Line Blue/ Norline	
Stainless steel	Blaze	Mega Line Twin	Mega Line Blue/ Norline	
Carbon steel		Mega Line Twin	Mega Line Blue/ Norline	Aluminium Oxide
Aluminium / Cast iron / Bronze / Copper / Composite			Norline	Aluminium Oxide
Wood / Paint				Aluminium Oxide
THIN WHEEL EQUIVALENT QUALITY	Flexovit Maxx/ Norton Quantum	Flexovit Mega Line	Norton Bluefire	
MACHINE	High power (more than 1000 Watts)		Low power (less than 1000 Watts)	



ALUMINIUM OXIDE R265

GOOD +++



FEATURES

- Durable aluminium oxide abrasive grain
- Heavy cotton cloth
- Double flap disc construction
- Fibreglass backing

BENEFITS

- Fast initial cut rate especially on carbon steel

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	40	10	R265	66261039200	9314188396024
	60	10	R265	66261039201	9314188396062
	80	10	R265	66261039202	9314188396109
	120	10	R265	66261039203	9314188396147
115 x 22	40	10	R265	66261039235	9314188396307
	60	10	R265	66261039236	9314188396345
	80	10	R265	66261039249	9314188396383

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	40	10	R265	66261039254	9314188396826
	60	10	R265	66261039252	9314188396864
	80	10	R265	66261039250	9314188396901
	120	10	R265	66261039268	9314188396949
180 x 22	40	10	R265	66261039253	9314188396642
	60	10	R265	66261039251	9314188396680
	80	10	R265	66261039101	9314188396727
	120	10	R265	66261039327	9314188396765



SPEC CHECK

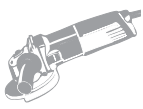
- For an equivalent finish, always use a flap disc one grit size coarser than with a fibre disc
- Conical flap discs are designed to be used at an angle of 15-25°

MAXIMUM OPERATING SPEED

DIA (mm)	MOS (m/s)	MAX RPM
100x16	80	15,500
115x22	80	13,300
125x22	80	12,200
180x22	80	8,600







## SEMI-FLEXIBLE DISCS

Semi-flexible discs are made by coating heavy duty fibre with multiple layers of a special resin bonded abrasive. They can be used in a wide range of applications instead of depressed centre grinding wheels.

### APPLICATIONS & MARKETS

- Grinding welds
- Derusting large surfaces
- Cleaning hulls of ships & boats
- Grinding concrete



## SEMI-FLEXIBLE DISCS

### SEMI-FLEXIBLE DISCS

GOOD +++



#### FEATURES

- High concentration of sharp silicon carbide abrasive
- Unique disc pattern
- Convex shape

#### BENEFITS

- For use on marble, granite, concrete, fibreglass & cast iron
- For heavy duty industrial applications
- Resists loading
- Cooler work area

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
102 x 16	16	5	Q400	66623322058	9314188231028
	24	5	Q400	66623322059	9314188231066
	36	5	Q400	66623322060	9314188231103
115 x 22	16	5	Q400	66623322064	9314188231233
	24	5	Q400	66623322065	9314188231271
	36	5	Q400	66623322066	9314188231318
125 x 22	16	5	Q400	66623322070	9314188231400
	24	5	Q400	66623322071	9314188231448
	36	5	Q400	66623322072	9314188231486
180 x 22	16	5	Q400	66623322076	9314188231547
	24	5	Q400	66623322077	9314188231585
	36	5	Q400	66623322078	9314188231622

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
102 x 16	24	1	Q400	66623322057*	9314188004493
	36	1	Q400	66623322055*	9314188004509
	50	1	Q400	66623322056*	9314188004516
115 x 22	60	1	Q400	66623322063*	9314188004523
	80	1	Q400	66623322061*	9314188004530
	120	1	Q400	66623322062*	9314188004547
125 x 22	24	1	Q400	66623322069*	9314188004554
	36	1	Q400	66623322067*	9314188004561
	50	1	Q400	66623322068*	9314100884578
180 x 22	60	1	Q400	66623322075*	9314188134930
	80	1	Q400	66623322073*	9314188134947
	120	1	Q400	66623322074*	9314188134954

\* Retail packaged item

## SEMI-FLEXIBLE DISC BACK-UP PADS

## ACCESSORIES



Specifically designed backing pads for semi-flexible discs to deliver greater support to the abrasive and keep the disc cooler when grinding

DESCRIPTION	PK QTY	PRODUCT CODE	BARCODE
100 mm Disc Support Pad	1	66623320044	9310357706199
115/125 mm Back-Up Pad	1	66623322079*	9314188002406
180 mm Disc Support Pad	1	66623322080	9314188083009
180 mm Back-Up Pad	1	66623322082*	9314188134961

\* Hang sell packaged item

## RAPID STRIP & RAPID BLEND

### BLAZE RAPID STRIP DISCS R9101

BEST +++++ INNOVATION

**BLAZE**  
RAPID STRIP



#### FEATURES

- Heavy coating of Norton SG Blaze ceramic alumina long-lasting grain and advanced resin bond
- Open structure

#### BENEFITS

- Lasts 2x longer than competitive products
- Does not shed on rust-encrusted pieces, or load on soft metals
- Lighter pressure will finish similar to a medium grit surface conditioning disc; additional pressure will remove material (strip and clean)
- Less downtime, and less production waste/landfill

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	Coarse	10	R9101	63642509505	636425095057
115 x 22	Coarse	10	R9101	66623303783	3157629408872

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	Coarse	10	R9101	66623303916	3157629408896
180 x 22	Coarse	10	R9101	66623303920	3157629408902

### RAPID STRIP DISCS R4101

GOOD +++

**Rapid**  
STRIP



#### FEATURES

- Open web construction
- Conformable
- Thick, strong, synthetic fibres & extra coarse grit

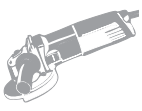
#### BENEFITS

- Fast cutting action with very little loading
- Easy cleaning of uneven surfaces
- Long life

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	Coarse	10	R4101	66261030651	662610306516
115 x 22	Coarse	10	R4101	66261009649	662610096493

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	Coarse	10	R4101	66261030655	662610306554
180 x 22	Coarse	10	R4101	66261009586	662610095861

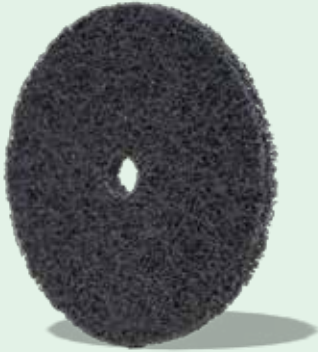




**RAPID STRIP & RAPID BLEND**

**RAPID STRIP DISCS R9101**

**GOOD +++**



**FEATURES**

- Open web construction
- Conformable
- Thick, strong, synthetic fibres & extra coarse grit
- Used with portable tools

**BENEFITS**

- Fast cutting action with very little loading
- Easy cleaning of uneven surfaces
- Quick cleaning & conditioning of surfaces
- Easy & safe to use especially in difficult to reach areas

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 6	Coarse	5	R4101	66261016412	9310357227830
180 x 22	Coarse	5	R4101	66261010021	9310357227847

**VORTEX RAPID BLEND DISCS**

**BETTER ++++**



**FEATURES**

- High performance engineered grain
- Thick nylon web
- No need to change power tools
- Undersized backing plate

**BENEFITS**

- Aggressive, fast stock removal, reduced cycle times and increased part quality
- Longer life and more parts per disc
- Resists loading
- Can be used in place of, or in sequence with, fibre and flap discs for improved part quality
- Ideal for TIG weld removal
- Longer useable diameter

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
115 x 22	5AM	10	U2305	66254429268	3157629326224
125 x 22	5AM	10	U2305	66254496323	3157629422175

## RAPID STRIP & RAPID BLEND

### NEX RAPID BLEND DISCS

GOOD +++



#### FEATURES

- Fine silicon carbide & flexible two density unitised construction
- Solution for finishing ferrous and non-ferrous materials
- Modified resin system
- Undersized backing plate

#### BENEFITS

- Excellent for fine consistent satin finish
- Ideal for blending and finishing
- Longer life and more parts per disc, resists loading
- Cuts more freely and with less heat than competitor products
- Longer useable diameter

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
115 x 22	2SF	10	U4401	66261020546	3157629185223
125 x 22	2SF	10	U4401	66254496320	3157629422168

### BEAR-TEX RAPID BLEND FLAP DISCS

GOOD +++



#### FEATURES

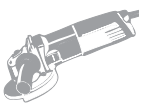
- Layered flaps of surface conditioning material
- Compliments flap and fibre discs in the blending and finishing process

#### BENEFITS

- Quick durable blending and finishing of uneven surfaces
- Ideal for cleaning and light de-burring work of TIG-weld seams on stainless steel

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	Coarse	5	S2208	66623321829	9310357267355
125 x 22	Medium	5	S2308	66623321830	9310357267362

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	Very Fine	5	S2508	66623321831	9310357267379



## SPEED-LOK DISCS

The tool fastening systems make fast work of disc changes to maximise productivity and minimise downtime. They can be used on contours as well as flat surfaces in general purpose and specialised grinding.

### APPLICATIONS & MARKETS

- Weld blending
- Light deburring & finishing
- Blending
- Aggressive Stock removal
- Cleaning & corrosion removal



### TR ATTACHMENT (TYPE III - SL3)



## BLAZE X-TREME LIFE R980P

BEST +++++ INNOVATION



#### FEATURES

- 100% premium SG grain
- 3rd layer supersize with active filler
- Improved resin system
- Different ply polyester cloth backing for different applications

#### BENEFITS

- High metal removal rate, even at medium pressure
- Cool cutting
- Best part cut & finish on stainless steel, inconels, chromium cobolt or titanium
- Exceptionall longer life, durability & aggressiveness
- 3 ply backing (yellow) for a more aggressive cutting application
- 2 ply backing (red) for lighter grading & blending applications

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50mm 3 ply	36	25	R980P	66261162318	662611623186
	50	25	R980P	66261162320	662611623209
	60	25	R980P	66261162322	662611623223
	80	25	R980P	66261162324	662611623247
	120	25	R980P	66261043386	662610433861
75mm 3 ply	36	25	R980P	66261162328	662611623285
	50	25	R980P	66261162330	662611623308
	60	25	R980P	66261162332	662611623322
	80	25	R980P	66261162334	662611623346
	120	25	R980P	66261043392	662610433922

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50mm 2 ply	36	25	R980P	63642595470	3157629313527
	60	25	R980P	63642595476	3157629313541
	80	25	R980P	63642595478	3157629313558
	120	25	R980P	66261043421	3157629313718
75mm 2 ply	36	25	R980P	63642595479	3157629313565
	60	25	R980P	63642595481	3157629313589
	80	25	R980P	63642595493	3157629313596
	120	25	R980P	63642595425	3157629313725



BLAZE F980

BEST +++++ INNOVATION



FEATURES

- Patented, new generation ceramic SG grain
- Self lubricating, advanced supersize treatment
- Improved resin system
- Heaviest fibre backing (blue)

BENEFITS

- Significant cut rate and life over competitive blended/low-ratio ceramic alumina disc
- Reduced heat, loading and glazing on stainless, titanium and super alloys
- Improved grain retention for longer life & aggression
- Greater durability
- Longest life & edge-fray resistance

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50mm Fibre	24	25	F980	77696090139	776960901397

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75mm Fibre	24	25	F980	77696090140	776960901403

CERAMIC CRY01

BEST +++++



FEATURES

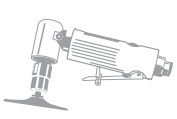
- Ceramic alumina grain
- Supersize grinding aid
- Strong Y-weight polyester backing

BENEFITS

- Exceptional life and value especially on hard to grind alloys
- Longer life and cooler cut
- Excellent durability and grain adhesion

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75mm	36	50	CRY01	66254444650	9310357265191
	60	50	CRY01	66254444651	9310357265207

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75mm	80	50	CRY01	66254444652	9310357265214
	120	50	CRY01	66254444653	9310357265221



TR ATTACHMENT (TYPE III - SL3)



NORZON PLUS R801

BETTER ++++

**NorZon**®



FEATURES

- Zirconia alumina abrasive with grinding aid
- Heavyweight backing

BENEFITS

- High stock removal with a cool cutting action
- Extended durability

DIM DIA [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
51mm	50	100	R801	66254444645	9310357260806
	80	100	R801	66254444647	9310357260813

DIM DIA [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75mm	50	50	R801	66254444649	9310357260820
	80	50	R801	66254444648	9310357260837

NORZON R821P

BETTER ++++

**NORTON** SAINT-GOBAIN **NorZon**®



FEATURES

- Norzon abrasive
- Heavy duty cloth backing

BENEFITS

- Long lasting cutting edges especially on stainless steel
- Durable & hardwearing

DIM DIA [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50mm	24	25	R821P	66254444619	9310357219798
	36	25	R821P	66254444620	9310357219804
	50	25	R821P	66254444621	9310357219811

DIM DIA [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75mm	24	25	R821P	66254444613	9310357215608
	36	25	R821P	66254444615	9310357215592
	50	25	R821P	66254444617	9310357215585
	80	25	R821P	66254444618	9310357249726

SPEED-LOK BACKING PADS

ACCESSORIES



**Speed-lok TR (Type III) backing pads**

Roll on/roll off system using a nylon thread button on a pad with spindle. Medium density hardness for blending and grinding applications.

DIA [MM]	PK QTY	PRODUCT CODE	BARCODE
51	1	66261055103	9310357706151
75	1	66261055105	9310357706144



ZIRCONIA R821P

BETTER ++++

MERIT



FEATURES

- Norzon abrasive
- Heavy duty cloth backing

BENEFITS

- Long lasting cutting edges especially on stainless steel
- Durable & hardwearing

DIM DIA [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50mm	36	100	R821P	66254444605	9310357260684
	60	100	R821P	66254444606	9310357260691
	80	100	R821P	66254444607	9310357260707

DIM DIA [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75mm	36	50	R821P	66254444609	9310357260769
	60	50	R821P	66254444610	9310357260776
	80	50	R821P	66254444611	9310357260783

ALUMINIUM OXIDE R228

GOOD +++

MERIT



FEATURES

- High performance aluminium oxide
- Strong cotton laminated backing
- Open-coat grain distribution

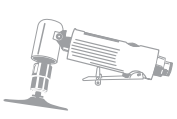
BENEFITS

- Multi-purpose economy product ideal for general purpose applications
- Durability for edge wear & fray resistance
- Reduced clogging

DIM DIA [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50mm	36	100	R228	66254444595	9310357260646
	50	100	R228	66254444596	9310357260653
	80	100	R228	66254444597	9310357260660
	120	100	R228	66254444594	9310357260677

DIM DIA [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75mm	36	50	R228	66254444600	9310357260721
	50	50	R228	66254444601	9310357260738
	80	50	R228	66254444602	9310357260745
	120	50	R228	66254444599	9310357260752





TR ATTACHMENT (TYPE III - SL3)



SPEED-LOK FLAP DISCS R980P

BEST +++++ INNOVATION



FEATURES

- R980P 100% Premium SG abrasive
- Supersize grinding aid
- 50mm or 75mm nylon backing
- Speed-lok quick change system (TR)
- Available grit range 40-80

BENEFITS

- High stock removal, even at medium pressure
- Fast cutting capacity
- Long life
- Provides a cool, noticeably faster cut rate
- Ideal for working on small, difficult to access area
- Lightweight and absorbs vibration
- Easy and quick to change
- Blending and finishing

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	40	10	R980P	77696090146	776960901465
	60	10	R980P	77696090147	776960901470
	80	10	R980P	77696090148	776960901487

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	40	10	R980P	77696090151	776960901519
	60	10	R980P	77696090152	776960901526
	80	10	R980P	77696090153	776960901533

SPEED-LOK FLAP DISCS R884P

BETTER ++++



FEATURES

- R884P Norzon cloth
- Semi-openkote
- 50mm or 75mm nylon backing
- Speed-lok quick change system
- Available grit range 40-80

BENEFITS

- High stock removal
- Fast cutting capacity
- Long life
- Retards loading on aluminium
- Ideal for working on small, difficult to access area
- Lightweight and absorbs vibration
- Easy and quick to change
- Blending and finishing

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	40	10	R884P	77696090166	776960901663
	60	10	R884P	77696090167	776960901670
	80	10	R884P	77696090168	776960901687

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	40	10	R884P	77696090171	776960901717
	60	10	R884P	77696090172	776960901724
	80	10	R884P	77696090173	776960901731



## BLAZE RAPID STRIP R9101

BEST +++++ INNOVATION



### FEATURES

- Heavy coating of Norton SG Blaze ceramic alumina long-lasting grain and advanced resin bond
- Open structure

### BENEFITS

- Lasts 2x longer than competitive products
- Does not shed on rust-encrusted pieces or load on soft metals
- Lighter pressure will finish similar to a medium grit surface conditioning disc; additional pressure will remove material (strip and clean)
- Less downtime and less production waste/landfill

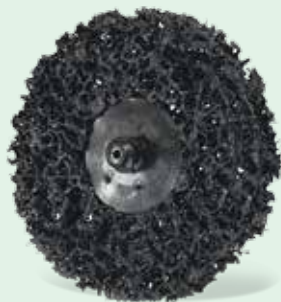
DIM DIA (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	Coarse	25	R9101	66623303912	3157629408889
75	Coarse	25	R9101	66261096557	3157629408858

DIM DIA (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100	Coarse	5	R9101	66623303921*	3157629408919

\*Use with TR+ holder

## RAPID STRIP R4101

GOOD +++



### FEATURES

- Open web construction
- Conformable
- Thick, strong, synthetic fibres & extra coarse grit

### BENEFITS

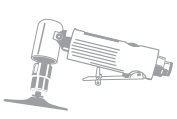
- Fast cutting & long lasting
- Follow difficult part profiles
- Easy cleaning of uneven surfaces
- Quick cleaning & conditioning of surfaces with aggressive corrosion removal
- Quick-change replacement; can be used on face & edge

DIM DIA (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	Coarse	1 x 10 pk	R4101	66261011782	662610117822
50	Coarse	1 x 10 pk	R4101	66261011781	662610117815

#10 per pack

DIM DIA (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 13 x 6	Coarse	10	R4101	07660701217*	076607012173
100 x 25 x 6	Coarse	5	R4101	07660705466*	076607012203

\*Rapid strip on a spindle  
Shelf ready display

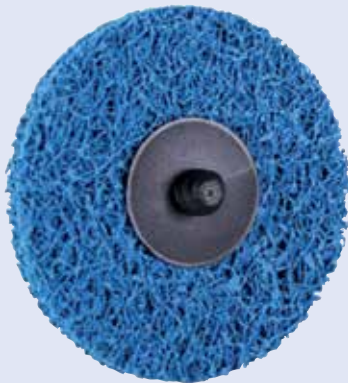
**TR ATTACHMENT (TYPE III - SL3)****VORTEX RAPID BLEND** CLOSED STRUCTURE**BETTER ++++****VORTEX**  
RAPID BLEND**FEATURES**

- High performance engineered grain and improved resin bond system
- Thick nylon web
- New curing process and bond technology
- Excellent form holding

**BENEFITS**

- Fast stock removal, reduced cycle time, increased part quality
- Consistent performance, improved part quality, no chemical odour or smearing
- Will not break down under heavy deburring conditions
- Use on a variety of shapes & contours

DIM DIA x H [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	5AM	40	U2305	66254413661	662544136616

**VORTEX RAPID BLEND** OPEN STRUCTURE**BETTER ++++****VORTEX**  
RAPID BLEND**FEATURES**

- Advanced grain technology
- Longer life (5 to 8 times of competitors)
- Blend in 3D
- Open web structure

**BENEFITS**

- Controlled cut rate with consistent finish
- Less disc changes and downtime, improved costs
- Face, edge and backside of the disc can be used, operator friendly and no smearing!
- Avoid premature loading - especially good on soft materials e.g. aluminium, brass etc.

DIM DIA x H [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	MEDIUM	25	U2311	66254497067	662544970678
75	MEDIUM	25	U2311	66254497068	662544970685



NEX RAPID BLEND

GOOD +++



FEATURES

- Open mesh construction
- Abrasive distributed throughout entire disc
- Clean bond technology

BENEFITS

- Conformable and non-loading
- All three faces can be used
- No smearing

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	6AM	40	U2301	66261014912	662610149120

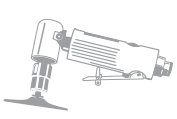


HEAVY DUTY SOLUTIONS  
 ENGINEERED FOR PERFORMANCE  
 Norton XTreme Life Blaze

Reshaping your world.

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TR ATTACHMENT (TYPE III - SL3)



RAPID PREP SPEED-LOK DISCS

GOOD +++



FEATURES

- Open structure
- High abrasive content
- Flexible backing
- Clean bond system

BENEFITS

- Resists loading on softer materials
- Fast initial cut rate
- Conforms to surface contours
- Remains smear free even on high nickel content alloys

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	Coarse	50	S2228	66261004437	9310357218838
50	Medium	50	S2328	66254444642	9310357218821
50	Very Fine	50	S2528	66254444637	9310357218814

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	Coarse	25	S2228	66254444633	9310357215615
75	Medium	25	S2328	66254444643	9310357215622
75	Very Fine	25	S2528	66254444638	9310357215639

RAPID PREP

GOOD +++



FEATURES

- Open structure
- High abrasive content
- Flexible backing
- Clean bond system

BENEFITS

- Resists loading on softer materials
- Fast initial cut rate
- Conforms to surface contours
- Remains smear free even on high nickel content alloys

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	Coarse	50	S2228	66254444630	9310357260561
50	Medium	50	S2328	66254444639	9310357260578
50	Very Fine	50	S2528	66254444634	9310357260585

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	Coarse	25	S2228	66254444631	9310357260608
75	Medium	25	S2328	66254444640	9310357260615
75	Very Fine	25	S2528	66254444636	9310357260622

# SPINDLE MOUNTED FLAP WHEELS

Designed to deliver a consistent finish with a uniform rate of cut, flap wheels have a continual rate of wear which exposes new abrasive. Their construction also makes them ideal for sanding contours and uneven surfaces.



## APPLICATIONS & MARKETS

- Metal fabrication
- Blending welds
- Deburring
- Cleaning & finishing

## FLAP WHEELS

### SPINDLE MOUNT R207

GOOD +++



#### FEATURES

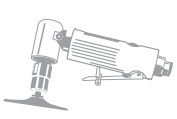
- Aluminium oxide abrasive
- Flexible cotton backing

#### BENEFITS

- Unique manufacturing technique provides low dust generation
- Excellent cut rate with ability to leave a very good finish
- Conformable to the workpiece

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
30 x 10 x 3	60	10	R207	66623321481	9310357256946
	80	10	R207	66623321482	9310357256953
	120	10	R207	66623321483	9310357256960
	150	10	R207	66623321484	9310357256977
	240	10	R207	66623321485	9310357256984
	320	10	R207	66623321486	9310357256991
30 x 10 x 6	60	10	R207	66623321487	9310357257004
	80	10	R207	66623321488	9310357257011
	120	10	R207	66623321489	9310357257028
	150	10	R207	66623321490	9310357257035
	240	10	R207	66623321491	9310357257042
	320	10	R207	66623321492	9310357257059
30 x 15 x 6	60	10	R207	66623321493	9310357257066
	80	10	R207	66623321494	9310357257073
	120	10	R207	66623321495	9310357257080
	150	10	R207	66623321496	9310357257097
40 x 10 x 6	60	10	R207	66623321497	9310357275103
	80	10	R207	66623321498	9310357257110
	120	10	R207	66623321499	9310357257127
	150	10	R207	66623321500	9310357257134
	240	10	R207	66623321501	9310357257141
	320	10	R207	66623321502	9310357257158

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
40 x 15 x 6	60	10	R207	66623321503	9310357257172
	80	10	R207	66623321504	9310357257189
	120	10	R207	66623321505	9310357257196
40 x 20 x 6	60	10	R207	66623321506	9310357257219
	80	10	R207	66623321507	9310357257226
	120	10	R207	66623321508	9310357257233
50 x 15 x 6	60	10	R207	66623321509	9310357257257
	80	10	R207	66623321510	9310357257264
	120	10	R207	66623321511	9310357257271
50 x 20 x 6	60	10	R207	66623321512	9310357257288
	80	10	R207	66623321513	9310357257295
	120	10	R207	66623321514	9310357257301
50 x 30 x 6	60	10	R207	66623321515	9310357257325
	80	10	R207	66623321516	9310357257332
	120	10	R207	66623321517	9310357257349
	150	10	R207	66623320518	9310357257356
	240	10	R207	66623321519	9310357257363
60 x 15 x 6	60	10	R207	66623321520	9310357257370
	80	10	R207	66623321521	9310357257387
60 x 20 x 6	60	10	R207	66623321522	9310357257394
	80	10	R207	66623321523	9310357257400
	120	10	R207	66623321524	9310357257417



**FLAP WHEELS**

**SPINDLE MOUNT R207**

**GOOD +++**

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
60 x 30 x 6	60	10	R207	66623321525	9310357257448
	80	10	R207	66623321526	9310357257455
	120	10	R207	66623321527	9310357257462
	150	10	R207	66623321528	9310357257479
	240	10	R207	66623321529	9310357257486
	320	10	R207	66623321530	9310357257493
60 x 40 x 6	60	10	R207	66623321531	9310357257509
	80	10	R207	66623321532	9310357257516
	120	10	R207	66623321533	9310357257523
60 x 50 x 6	60	10	R207	66623321534	9310357257547
	80	10	R207	66623321535	9310357257554
	120	10	R207	66623321536	9310357257561

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
80 x 30 x 6	60	10	R207	66623321537	9310357257578
	80	10	R207	66623321538	9310357257585
	120	10	R207	66623321539	9310357257592
80 x 40 x 6	60	10	R207	66623321540	9310357257615
	80	10	R207	66623321541	9310357257622
80 x 50 x 6	60	10	R207	66623321542	9310357257646
	80	10	R207	66623321543	9310357257653
	120	10	R207	66623321544	9310357257660

**FLANGE MOUNT R207**

**GOOD +++**



**FEATURES**

- Aluminium oxide abrasive
- Flexible cotton backing

**BENEFITS**

- Unique manufacturing technique provides low dust generation
- Excellent cut rate with ability to leave a very good finish
- Conformable to the workpiece

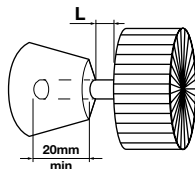
DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
165 x 25 x 30	60	10	R207	66623321545	9310357257677
	80	10	R207	66623321546	9310357257684
	120	10	R207	66623321547	9310357257691

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
165 x 50 x 30	60	10	R207	66623321548	9310357257707
	80	10	R207	66623321549	9310357257714
	120	10	R207	66623321550	9310357257721

**SPINDLE MOUNTED RECOMMENDED OPERATING SPEED**



Maximum operating speed is 40 m/s. Operating speeds between 20-25 m/s will produce the most economical performance in regard to wheel wear, stock removal, surface finish and heat build up



DIA (mm)	MOS (m/s)	RECOMMENDED MAX RPM v SPINDLE DEPTH		
		L = 0	L = 10	L = 20
20	40	38,200	28,600	22,000
25	40	30,600	22,900	17,600
30	40	25,500	19,100	14,600
40	40	19,100	14,300	11,000
50	40	15,300	11,500	8,800
60	40	12,700	9,600	7,300
80	40	9,600	7,200	5,500

# INTRODUCTION TO THE MULTI-AIR PROCESS



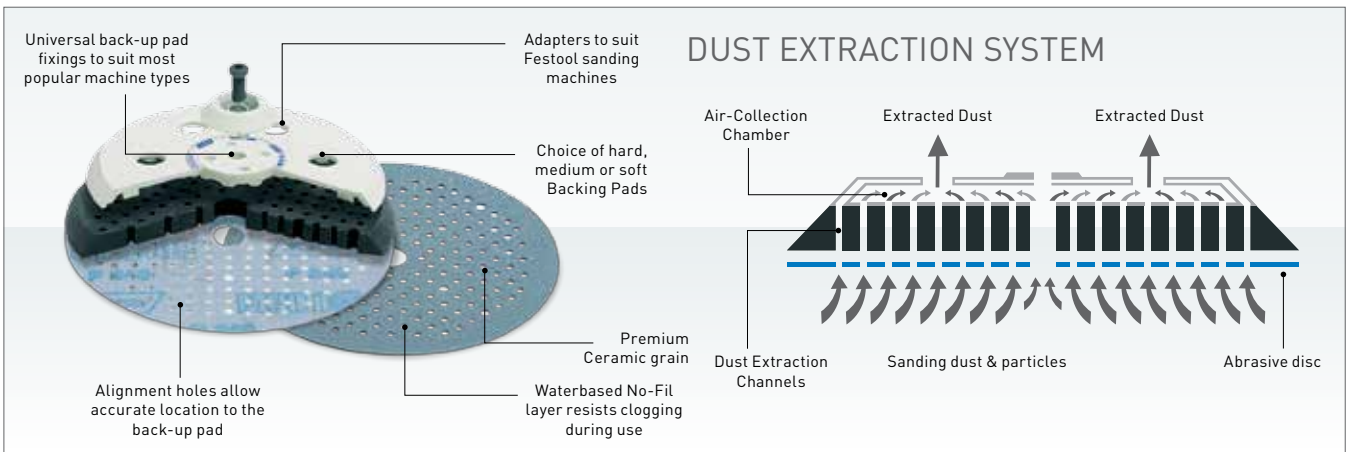
Norton Multi-Air Process combines the excellence of a premium Norton Multi-Air abrasive disc with an innovative dust-extraction Multi-Air back-up pad.

This revolutionary Multi-Air Process gives operators the optimal sanding solution to optimise performance, increase productivity and eliminate dust.

The innovative pad design draws dust into a collection chamber allowing optimal airflow and powerful dust extraction.

Multi-Air addresses multiple markets including those sanding primed and painted parts in the automotive industry, composites, marine gel coat, furniture, non-ferrous metals and many more.

**MULTI-AIR IS PROVEN TECHNOLOGY  
ALREADY ADOPTED BY THOUSANDS OF  
USERS AROUND THE WORLD.**



## FEATURES

- REVOLUTIONARY DESIGN FOR MAXIMUM DUST EXTRACTION
- CUTTING SURFACE OF DISC REMAINS CLEAN
- PREMIUM ABRASIVE GRAIN
- UNIQUE SOFT-TOUCH DISCS

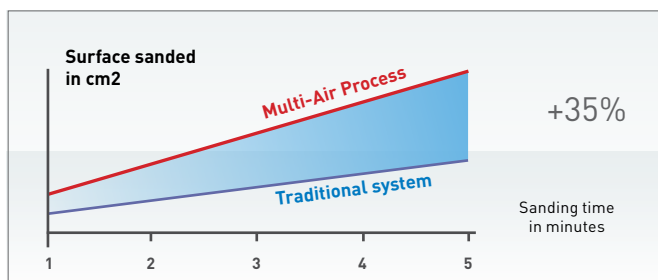
## BENEFITS

- CLOGGING IS VIRTUALLY ELIMINATED
- CLEANER WORKING ENVIRONMENT
- LESS DUST AND CONTAMINATION
- CONSISTENT CUT THROUGHOUT DISC LIFE
- SUBSTANTIALLY LONGER LIFE AND FASTER CUT THAN CONVENTIONAL ABRASIVES

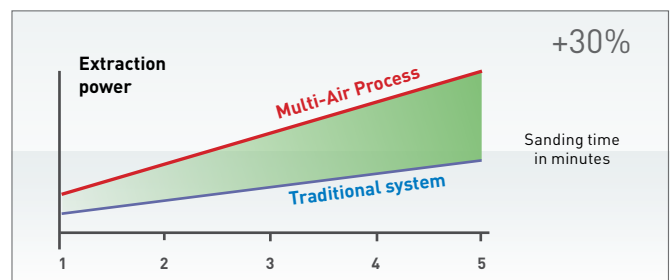
## EXTRACTION HOLES

- 181 HOLES MAXIMISE DUST REMOVAL FOR 150MM

The overall abrasive area is similar to that of conventional discs with traditional, 6, 7 or 9 holes dust extraction.



35% more surface area sanded than conventional system.



30% better dust extraction capacity than conventional system.



NORTON

SAINT-GOBAIN

MULTI-AIR

**CYCLONIC**

Reshaping  
your  
world.

REFINISHING SOLUTIONS

INSPIRED BY NATURE

**DUST-LESS SANDING**

CYCLONIC DUST EXTRACTION

LASER CUT PRECISION



**FEEL  
NATURE'S  
FORCE**



SAINT-GOBAIN

# MULTI-AIR DISCS

Norton Multi-Air Process combines the excellence of a premium Norton Multi-Air abrasive disc with an innovative dust-extraction Multi-Air back-up pad.

This revolutionary Multi-Air Process gives operators the optimal sanding solution to optimise performance, increase productivity and eliminate dust.

## APPLICATIONS & MARKETS

- Automotive
- Furniture
- Paint
- Composites
- Primer
- Marine gel coat
- Non-ferrous metals
- Aerospace



## MULTI-AIR SPEEDGRIP DISCS

### MULTI-AIR CYCLONIC A975

BEST **+++++** INNOVATION




#### FEATURES

- Norton SG ceramic abrasive blended with premium heat treated aluminium oxide abrasive
- Unique - blue fibre-reinforced latex paper
- Waterbased No-fil
- No pigment in No-fil or bond
- Improved Performance
- Ideal for large surface areas
- Available in grits P80 - P1000

#### BENEFITS

- Higher & faster cut rate
- Consistent & uniform scratch pattern
- Combines flexibility with tear resistance
- Resists clogging during use
- No risk of colour transfer
- Extended life
- Less downtime

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150 x 16	80	50	A975	77696007770	776960077702
	120	50	A975	77696007773	776960077733
	150	50	A975	77696007774	776960077740
	180	50	A975	77696007775	776960077757
	240	50	A975	77696007777	776960077771
	320	50	A975	77696007781	776960077818

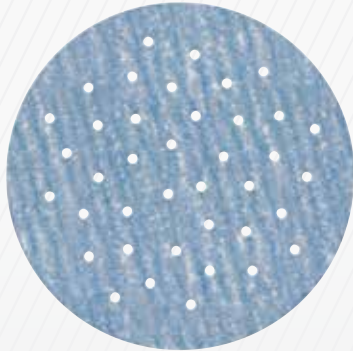
DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150 x 16	400	50	A975	77696007784	776960077849
	500	50	A975	77696007785	776960077856
	600	50	A975	77696007786	776960077863
	800	50	A975	77696007787	776960077870
	1000	50	A975	77696007788	776960077887



**MULTI-AIR SPEEDGRIP DISCS**

**MULTI-AIR CYCLONIC A975**

**BEST +++++ INNOVATION**



**FEATURES**

- Norton SG ceramic abrasive blended with premium heat treated aluminium oxide abrasive
- Unique - blue fibre-reinforced latex paper
- Waterbased No-fil
- No pigment in No-fil or bond
- Improved Performance
- Ideal for large surface areas
- Available in grits P80 - P1000

**BENEFITS**

- Higher & faster cut rate
- Consistent & uniform scratch pattern
- Combines flexibility with tear resistance
- Resists clogging during use
- No risk of colour transfer
- Extended life
- Less downtime

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
76 x NO HOLE	80	50	A975	77696095005	776960950050
	120	50	A975	77696095006	776960950067
	150	50	A975	77696095007	776960950074
	180	50	A975	77696095008	776960950081
	240	50	A975	77696095010	776960950104
	320	50	A975	77696095011	776960950111

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
76 x NO HOLE	400	50	A975	77696095012	776960950128
	500	50	A975	77696095013	776960950135
	600	50	A975	77696095014	776960950142
	800	50	A975	77696095015	776960950159
	1000	50	A975	77696095016	776960950166

**MULTI-AIR SPEED-GRIP BACK-UP PAD**

**ACCESSORIES**



The innovative Multi-Air back-up pad design draws dust into the collection chamber allowing optimal airflow and powerful dust extraction.

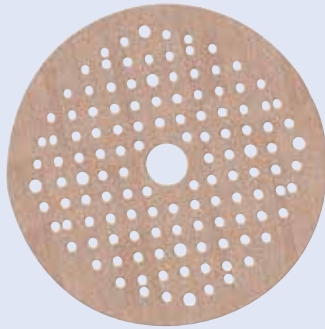
High performance high productivity and a clean surface and working environment are the outcome of this innovative design.

Packed in individual boxes with Festool and Rupes adaptor, M8 and 5/16" bolts, 1 metal ring and 3 fibre washers.

DESCRIPTION	PK QTY	PRODUCT CODE	BARCODE
150 mm dia Multi Air back-up pad - Medium	1	63642585872	3157624898593
150 mm dia Multi Air back-up pad - Soft	1	63642560605	3157624898609

# MULTI-AIR A275

BETTER ++++





### FEATURES

- Premium, heat-treated aluminium oxide abrasive
- Unique fibre-reinforced latex paper
- Water based No-Fil
- No pigment in No-Fil or bond
- Available in grits P80-800

### BENEFITS

- Faster cut rate
- Flexible & tear resistant
- Improved load resistance
- No risk of colour transfer

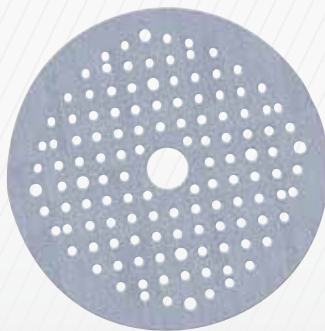
DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150 x 18	80	100	A275	63642560561	3157624950772
	120	100	A275	63642560562	3157624950789
	150	100	A275	63642560563	3157624950796
	180	100	A275	63642560564	3157624950802
	240	100	A275	63642560566	3157624950826

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150 x 18	320	100	A275	63642560568	3157624950857
	400	100	A275	63642560570	3157624950901
	500	100	A275	63642560571	3157624950918
	600	100	A275	63642560572	3157624950932
	800	100	A275	63642560573	3157624950949

## MULTI-AIR PLUS SOFT-TOUCH

# MULTI-AIR PLUS SOFT-TOUCH A975

BEST +++++





### FEATURES

- Norton SG ceramic abrasive blended with premium heat treated aluminium oxide abrasive
- Blue fibre-reinforced latex paper
- Water based No-Fil coating
- No pigment in No-fil or bond system
- Flexible and coloured self grip foam backing
- Multi-Air hole configuration
- Colour coded discs

### BENEFITS

- Faster cut rate
- Improved performance
- Flexible & tear resistant
- Improved load resistance
- No risk of colour transfer
- Allows contour sanding without cutting through
- Maximum dust extraction for a clean work surface and increased life
- Easy product identification

DIM DIA x H (MM)	GRIT	PACK QTY	COLOUR	PRODUCT CODE	BARCODE
 150 x 18	320	20	SALMON	63642595575	3157625747548
	400	20	YELLOW	63642595577	3157625747555
	500	20	DARK BLUE	66254477927	3157629292112

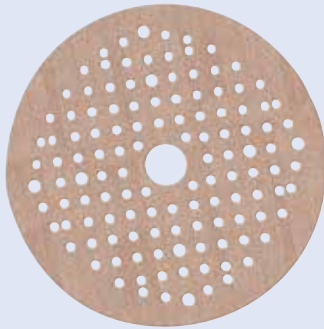
DIM DIA x H (MM)	GRIT	PACK QTY	COLOUR	PRODUCT CODE	BARCODE
 150 x 18	800	20	TURQUOISE	66254477932	3157629664643
	1000	20	WHITE	63642536301	3157629600047



**MULTI-AIR SOFT-TOUCH**

**MULTI-AIR SOFT-TOUCH A275**

BETTER ++++





**FEATURES**

- Premium, heat-treated aluminium oxide grain
- Fibre-reinforced latex paper
- Water based No-Fil coating
- No pigment in No-Fil or bond system
- Flexible and coloured self grip foam backing
- Multi-Air hole configuration
- Colour coded discs

**BENEFITS**

- Faster cut rate
- Improved performance
- Flexible & tear resistant
- Improved load resistance
- No risk of colour transfer
- Allows contour sanding without cutting through
- Maximum dust extraction for a clean work surface and increased life
- Easy product identification

DIM DIA x H [MM]	GRIT	PACK QTY	COLOUR	PRODUCT CODE	BARCODE
 150 x 18	320	20	SALMON	66261032772	3157625953185
	400	20	YELLOW	66261032773	3157625953444
	500	20	DARK BLUE	66261032774	3157625953451

DIM DIA x H [MM]	GRIT	PACK QTY	COLOUR	PRODUCT CODE	BARCODE
 150 x 18	800	20	TURQUOISE	66261032775	3157625953468
	1000	20	WHITE	66261034247	3157629315743
	1500	20	GREEN	66261034248	3157629421789

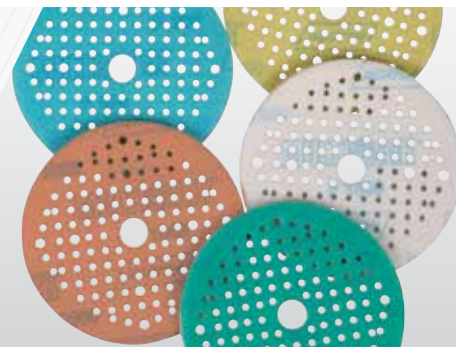
**PRODUCT SELECTION GUIDE**

APPLICATION	GRIT	COLOUR
<b>SOFT-TOUCH DISCS</b>		
Sanding cataphoretic coats & primer	320	Salmon
Sanding polyurethane primer	400	Yellow
	500	Dark Blue
Cutting back lacquer before a flush joint	800	Turquoise
Retouching clear coat	1000	White
Before polishing & buffing	1500	Green



**SPEC CHECK**

- Multi-Air Soft-Touch discs are made with a specific soft foam backing with high performance & exceptional long life, directly attached to the abrasive paper
- The foam layer easily absorbs any difference in surface, maintaining an excellent cutting action with a very homogeneous, high level finish



## MULTI-AIR SOFT-TOUCH

### MULTI-AIR PLUS STARTER KIT A975

BEST +++++



These unique product sample kits contain a Multi-Air back up pad and variety of discs with the Multi-Air hole configuration, providing all you need to trial the Multi-Air Process system.

GRIT	TYPE	QTY IN KIT	PART NO.	PK QTY
	Multi-Air Pad	1	69957395370*	1
P80	Multi-Air Plus	5		
P120		5		
P240		5		
P320		5		
P400		5		
P320	Multi-Air Plus Soft-Touch	3		
P400		3		

\* Order on request

### MULTI-AIR STARTER KIT A275

BETTER ++++



These unique product sample kits contain a Multi-Air back up pad and variety of discs with the Multi-Air hole configuration, providing all you need to trial the Multi-Air Process system.

GRIT	TYPE	QTY IN KIT	PART NO.	PK QTY
	Medium Multi-Air Pad	1	63642587576*	1
P80	Multi-Air Norzon	5		
P120	Multi-Air	5		
P240		5		
P320		5		
P400		5		
P400		5		
P500	Multi-Air Soft-Touch	5		
P800		5		

\* Order on request



## SPEEDGRIP DISCS

Speedgrip discs have a quick release backing that allows quick and easy disc changing, increasing performance by minimising downtime. Soft-Touch discs also include a foam backing that improves product performance and gives an even longer product life. The foam layer absorbs unevenness in the surface, helping to maintain an excellent cutting action providing a very homogenous, high quality finish.

### APPLICATIONS & MARKETS

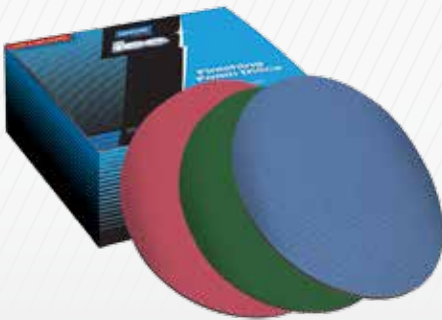
- Preparing primed & painted surfaces
- Stripping primer & paint
- Sanding plastic & fibreglass
- Light weld blending & deburring
- Sanding bare wood



## FILM DISCS

ICE Q255

BEST +++++ INNOVATION



### FEATURES

- Ultra fine grits available 1500, 2000 & 3000
- Colour coded discs
- Foam backing absorbs water and moulds to the surface for equal pressure distribution.

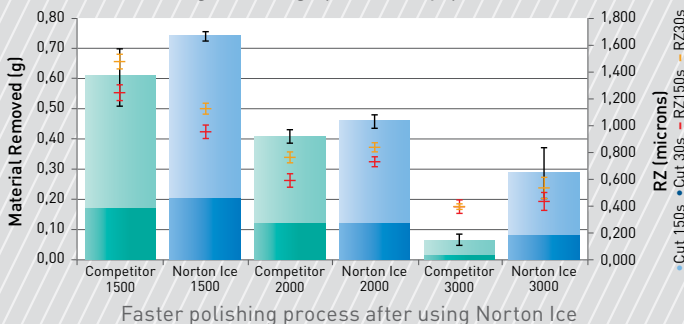
### BENEFITS

- Uniform cut throughout product life
- Smooth finish and lower scratch depth
- Requires less effort during the application
- Easy grit identification
- Washable and waterproof
- Reusable
- High quality finish
- Use by hand on difficult to reach areas

DIM DIA x H (MM)	GRIT	PACK QTY	COLOUR	PRODUCT CODE	BARCODE
● 80 x NO HOLE	1500	6	BLUE	66623324958	3157629415078
	2000	6	FUCHSIA	66623324955	3157629415054
	3000	6	GREEN	66623324956	3157629415061

DIM DIA x H (MM)	GRIT	PACK QTY	COLOUR	PRODUCT CODE	BARCODE
● 150 x NO HOLE	1500	15	BLUE	66623324933	3157629415108
	2000	15	FUCHSIA	66623324952	3157629415092
	3000	15	GREEN	66623324954	3157629415085

Low roughness, high productivity, perfect finish



PURE ICE Q175

BEST +++++



FEATURES

- Consistent finish
- Contains an anti-loading agent
- Smooth flexible backing
- Speed-Grip fixing system
- Colour coded back print

BENEFITS

- Eliminates pigtails and costly re-work
- Quick and easy to polish out
- Increase productivity
- Consistent finish & long life
- Better flexibility and disc flatness
- Less downtime switching discs
- Easy grit identification

DIM DIA x H (MM)	GRIT	PACK QTY	COLOUR	PRODUCT CODE	BARCODE
76 x NO HOLE	P800	50	BLACK	77696088701	776960887011
	P1000	50	RED	77696088702	776960887028
	P1200	50	GREEN	77696088703	776960887035
	P1500	50	BLUE	77696088704	776960887042

DIM DIA x H (MM)	GRIT	PACK QTY	COLOUR	PRODUCT CODE	BARCODE
150 x NO HOLE	P800	50	BLACK	77696088713	776960887134
	P1000	50	RED	77696088714	776960887141
	P1200	50	GREEN	77696088715	776960887158
	P1500	50	BLUE	77696088716	776960887165

APPLICATION TIPS

- The use of Q175 discs combined with an interface pad guarantees comfortable sanding with an excellent finish.
- On orbital sanders, use the disc and interface pad with a Ø 150mm self-grip back-up pad. See pages 149-150 for our back-up pads and interface range.
- Use Pure Ice Q175 discs, combined with Norton Ice discs, Liquid Ice Polishing Compound and Blue Magnet microfiber cloth to achieve a professional, high shine finish.



NORTON PRO SPEED-GRIP FOAM INTERFACE

ACCESSORIES



DIM DIA (MM)	HOLES	PACK QTY	PRODUCT CODE	BARCODE
76mm	No hole	1	63642505457	636425054573
150mm	6+1 hole	5	66623320015	9310357706748
	15 hole	5	07660719360	3157625499614

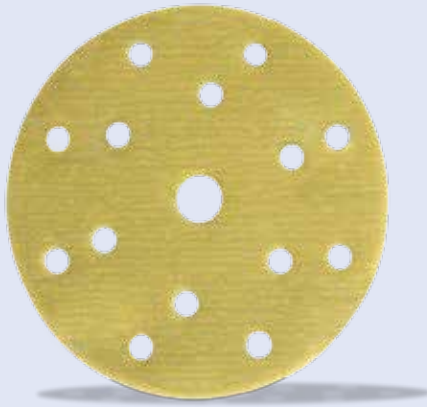




FILM DISCS

PRO FILM Q275

BETTER ++++




FEATURES

- Heat-treated aluminium oxide grain
- FEPA 'P' graded abrasive
- Waterbased No-Fil stearate layer on the abrasive
- Flexible film backing
- Speedgrip backing
- Full range of grits available

BENEFITS

- Fast cut, good material removal and excellent performance
- Approved high quality discs
- Prevents dust build-up during sanding
- For dry sanding
- Provides a consistent scratch pattern, reduces rework
- Tear resistant
- Quick & easy disc changing, reduce process time
- A product for every application stage









DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150 x 15	P80	100	Q275	77696085879	3157629578544
	P120	100	Q275	77696088028	3157629578551
	P150	100	Q275	77696088145	3157629578568
	P180	100	Q275	77696088146	3157629578575
	P240	100	Q275	77696088149	3157629578599
	P320	100	Q275	77696088150	3157629578605
	P400	100	Q275	77696088151	3157629578612

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150 x 15	P500	100	Q275	77696088152	3157629662823
	P600	100	Q275	77696088153	3157629579039
	P800	100	Q275	77696088154	3157629579046
	P1000	100	Q275	77696088155	3157629579053
	P1200	100	Q275	77696088156	3157629579060
	P1500	100	Q275	77696088388	3157629579237

NORTON PRO SPEED-GRIP BACK-UP PADS

ACCESSORIES



DIM DIA (MM)	HOLES	MOUNTING TYPE	DENSITY	PACK QTY	PRODUCT CODE	BARCODE
76mm	No hole 	5/16"	Medium	1	63642504295	3157627640960
150mm	No hole 	5/16" & M8	Medium	1	66623320037	9310357264125
	6+1 hole 	5/16" & M8	Medium	1	66623320038	9310357264132
	8+1 hole 	5/16" & M8	Medium	1	66623320039	9310357264149
	15 hole 	5/16" & M8	Soft	1	66623338452	3157629421772
	15 hole 	5/16" & M8	Medium	1	66623338450	3157629421758
	15 hole 	5/16" & M8	Hard	1	66623338451	3157629421765
200mm	8 hole 	M14	Medium	1	66623320011	9310357704683

# PAPER DISCS

Paper backed discs are available in various paper weights from light to heavy paper. This weight variation gives the discs different performance characteristics whereby the heavy paper discs of H231 ('E' weight) are more robust and suitable for heavy duty sanding and the lighter discs of A275 ('B' weight) are more flexible and suitable for fine finishing of paint and clear coats.

## APPLICATIONS & MARKETS

- Preparing primed & painted surfaces
- Stripping primer & paint
- Sanding plastic & fibreglass
- Light weld blending & deburring
- Sanding bare wood



## SPEED GRIP PAPER DISCS

### BLUE FIRE H875P

BEST +++++



#### FEATURES

- Latest Norzon grain design
- High strength paper backing (E-weight)
- Open abrasive coating
- Full Resin bond system

#### BENEFITS

- Self sharpening grain
- Improved cut rate
- Extended product life
- Tear resistant
- Prevents premature clogging
- Strong grain adhesion

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150mm NO HOLE	Z36	25	H875P	66261123590	662611235907
	Z40	25	H875P	66261123589	662611235891
	Z80	25	H875P	66261123588	662611235884
 150mm 6+1 HOLE	Z40	25	H835	69957391250	3157625722941
	Z60	25	H835	69957391255	3157625722958
	Z80	25	H835	69957391256	3157625722965
	Z120	25	H835	69957391257	3157625722972

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 200mm NO HOLE	Z36	25	H875P	66261123593	662611235938
	Z40	25	H875P	66261123592	662611235921
	Z80	25	H875P	66261123591	662611235914
 200mm 8 HOLE	Z36	25	H875P	66261123598	662611235983
	Z40	25	H875P	66261123597	662611235976
	Z80	25	H875P	66261123596	662611235969

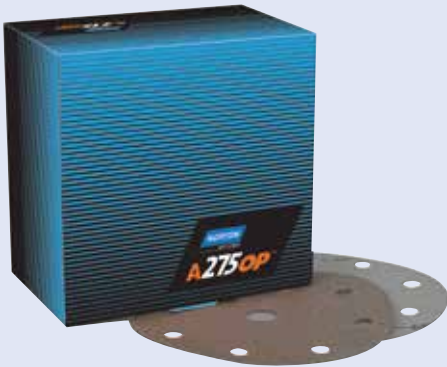


**SPEED GRIP PAPER DISCS**

**SPEED GRIP DISCS A275**

**BETTER ++++**

**A275OP™**



**FEATURES**

- Premium, heat-treated aluminium oxide abrasive
- Unique fibre-reinforced latex paper (B-weight)
- Water based No-Fil
- No pigment in No-Fil or bond system
- Available in grits P80 - 1500

**BENEFITS**

- Faster cut rate
- Improved performance
- Flexible & tear resistant
- Improved load resistance
- No risk of colour transfer

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
80	80	100	A275	66623320635	9310357249689
	120	100	A275	66623320636	9310357249696
	150	100	A275	66623320637	9310357249702
	180	100	A275	66623320638	9310357249719
	240	100	A275	66623320639	9310357249474
	320	100	A275	66623320640	9310357249481
	400	100	A275	66623320641	9310357249498
	600	100	A275	66623320642	9310357249504
	800	100	A275	66623320643	9310357249511
	1200	100	A275	66623320644	9310357249528
	1500	100	A275	66623320645	9310357256243
150	80	100	A275	66623320456	9310357211945
	120	100	A275	66623320457	9310357211969
	180	100	A275	66623320458	9310357211976
	240	100	A275	66623320459	9310357211983
	320	100	A275	66623320460	9310357211990
	600	100	A275	66623320681	9310357253563
	800	100	A275	66623324343	
	1200	100	A275	66261131551	662611315517
	1500	100	A275	66261131550	662611315500

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150 6+1 HOLE	80	100	A275	66623320649	9310357227038
	120	100	A275	66623320650	9310357227106
	150	100	A275	66623320651	9310357227144
	180	100	A275	66623320652	9310357227151
	240	100	A275	66623320653	9310357227205
	320	100	A275	66623320654	9310357227212
	400	100	A275	66623320655	9310357227281
	500	100	A275	66623320666	9310357248583
	600	100	A275	66623320656	9310357227304
	800	100	A275	66623320659	9310357238003
	1200	100	A275	66623320657	9310357227359
1500	100	A275	66623320658	9310357227403	
150 8+1 HOLE	80	100	A275	66623320576	9310357253921
	120	100	A275	66623320577	9310357253938
	150	100	A275	66623320578	9310357253945
	180	100	A275	66623320579	9310357253952
	240	100	A275	66623320580	9310357253969
	320	100	A275	66623320581	9310357253976
	400	100	A275	66623320582	9310357253983
	500	100	A275	66623320583	9310357253914
	600	100	A275	66623320584	9310357218845
	800	100	A275	66623320585	9310357218852
	1200	100	A275	66623320586	9310357218869
1500	100	A275	66623320587	9310357253990	

## SPEED GRIP PAPER DISCS

### NO-FIL PAPER DISCS A297/H233

GOOD +++



#### FEATURES

- "P" graded premium aluminium oxide grain
- Strong latex/paper backing  
H233: E-weight and  
A297: C-weight
- Water-based, non-loading stearate
- Available in grits P80 - 400

#### BENEFITS

- Produces a quick, cool cut
- Produces a more consistent scratch pattern
- Resists tearing
- Conformable and flexible
- Resists loading
- Increases productivity

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 NO HOLE	80	100	A297	66623320727	9310357244738
	120	100	A297	66623320728	9310357244745
	180	100	A297	66623320729	9310357244752
	240	100	A297	66623320730	9310357244769
	320	100	A297	66623320731	9310357244776
125 8 HOLE	40	50	H233	66623320733	9310357217206
	60	50	H233	66623320734	9310357217213
	80	100	A297	66623320735	9310357217220
	100	100	A297	66623320737	9310357217237
	120	100	A297	66623320740	9310357217244
	150	100	A297	66623320690	9310357254737
	180	100	A297	66623320743	9310357217251
	240	100	A297	66623320745	9310357217268
	320	100	A297	66623320747	9310357217275
	400	100	A297	66623320749	9310357217282
200 mm dia. NO HOLE	36	50	H233	66623320566	9310357214169
	80	100	A297	66623320551	9310357217176
	120	100	A297	66623320552	9310357217183
	180	100	A297	66623320553	9310357217190
	240	100	A297	66623320629	9310357222019
	320	100	A297	66623320630	9310357222026
200 mm dia. 8+1 HOLE	36	50	H233	66623320732	9310357218920
	40	50	H233	66623320680	9310357249924
	60	50	H233	66623320664	9310357245117
	80	100	A297	66623320751	9310357218937
	120	100	A297	66623320739	9310357218944
	180	100	A297	66623320753	9310357218951
	240	100	A297	66623320631	9310357222040
	320	100	A297	66623320632	9310357222057

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150 NO HOLE	40	50	H233	66623320541	9310357217053
	60	50	H233	66623320542	9310357217060
	80	100	A297	66623320543	9310357217077
	100	100	A297	66623320544	9310357217084
	120	100	A297	66623320545	9310357217091
	150	100	A297	66623320546	9310357217107
	180	100	A297	66623320547	9310357217114
	240	100	A297	66623320548	9310357217138
	320	100	A297	66623320549	9310357217145
	400	100	A297	66623320550	9310357217152
150 6+1 HOLE	36	50	H233	66623320554	9310357259978
	40	50	H233	66623320555	9310357217299
	60	50	H233	66623320556	9310357217305
	80	100	A297	66623320557	9310357217312
	100	100	A297	66623320558	9310357217329
	120	100	A297	66623320559	9310357217336
	150	100	A297	66623320560	9310357217343
	180	100	A297	66623320561	9310357217350
	240	100	A297	66623320562	9310357217367
	320	100	A297	66623320563	9310357217374
150mm dia. 8+1 HOLE	400	100	A297	66623320572	9310357217381
	60	50	H233	66623320667	9310357247807
	80	100	A297	66623320736	9310357217398
	100	100	A297	66623320738	9310357217404
	120	100	A297	66623320741	9310357217411
	150	100	A297	66623320742	9310357217428
	180	100	A297	66623320744	9310357217435
	240	100	A297	66623320746	9310357217442
	320	100	A297	66623320748	9310357217459
	400	100	A297	66623320750	9310357217466



**SPEED GRIP PAPER DISCS**

**ADALOX PAPER DISCS H231**

**GOOD +++**



**FEATURES**

- High performance aluminium oxide abrasive
- Semi-open / open coat (depending on grit size)
- Very strong, F-weight paper
- Anti-static properties

**BENEFITS**

- Ideal for roughing, intermediate sanding & finishing of solid wood
- Ideal for floor & furniture applications
- Finer grits ideal for polishing metal, plastics & leathers, smoothing fillers, sanding primers, within vehicle repair markets
- Resists chipping
- High performance
- Excellent surface quality

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 mm dia. 8 HOLE	40	100	H231	66623320493	9310357215301
	80	100	H231	66623320495	9310357215325
	120	100	H231	66623320496	9310357215332
	180	100	H231	66623320497	9310357214349
 125 mm dia. NO HOLE	40	50	H231	66623320596	9310357220442
	60	50	H231	66623320597	9310357220459
	80	50	H231	66623320598	9310357220466
	120	100	H231	66623320599	9310357220473
 125 mm dia. 8 HOLE	180	100	H231	66623320600	9310357220480
	240	100	H231	66623320691	9310357254713
	40	50	H231	66623320498	9310357215356
	60	50	H231	66623320499	9310357215363
 125 mm dia. 8 HOLE	80	50	H231	66623320500	9310357215370
	100	100	H231	66623320501	9310357220435
	120	100	H231	66623320502	9310357215387
	180	100	H231	66623320503	9310357215394
 125 mm dia. 8 HOLE	240	100	H231	66623320574	9310357217879
	40	50	H231	66623320714	9310357217473
	60	50	H231	66623320715	9310357217480
	80	50	H231	66623320716	9310357217497
 150 mm dia. NO HOLE	120	100	H231	66623320717	9310357217503
	180	100	H231	66623320718	9310357217510
	240	100	H231	66623320719	9310357217527
	40	50	H231	66623320720	9310357217534
 150 mm dia. 8+1 HOLE	60	100	H231	66623320721	9310357217541
	80	100	H231	66623320722	9310357217558
	100	100	H231	66623320723	9310357256267
	120	100	H231	66623320724	9310357217565
	150	100	H231	66623320725	9310357256274
	180	100	H231	66623320726	9310357217572

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150 mm dia. 6+1 HOLE	40	50	H231	66623320682	9310357254294
	60	50	H231	66623320683	9310357254300
	80	50	H231	66623320684	9310357254317
	100	100	H231	66623320685	9310357254324
	120	100	H231	66623320686	9310357254331
	150	100	H231	66623320687	9310357256250
 150 mm dia. 6+1 HOLE	180	50	H231	66623320688	9310357254348
	240	50	H231	66623320689	9310357254355
	40	50	H231	66623320567	9310357217886
	60	50	H231	66623320568	9310357217893
	80	50	H231	66623320569	9310357217909
	120	100	H231	66623320571	9310357217923
 180 mm dia. NO HOLE	180	100	H231	66623320601	9310357220497
	240	100	H231	66623320602	9310357220503
	40	50	H231	66623320606	9310357248293
	60	50	H231	66623320607	9310357248309
 200 mm dia. NO HOLE	80	50	H231	66623320608	9310357248316
 230 mm dia. NO HOLE	40	20	H231	66623320692	9310357255215
	60	20	H231	66623320693	9310357255222
	80	20	H231	66623320694	9310357255239
 230 mm dia. NO HOLE	120	20	H231	66623320695	9310357255246
	40	10	H231	66623320696	9310357255253
	60	10	H231	66623320697	9310357255260
 305 mm dia. NO HOLE	80	10	H231	66623320698	9310357255277
	120	10	H231	66623320699	9310357255284
	40	10	H231	66623320700	9310357255291
 356 mm dia. NO HOLE	60	10	H231	66623320701	9310357255307
	80	10	H231	66623320702	9310357255314
	120	10	H231	66623320703	9310357255321

## STICK 'N' SAND PAPER DISCS

### BLUE FIRE H875P

BEST +++++





#### FEATURES

- Latest Norzon grain design
- High strength paper backing (E weight)
- Open abrasive coating
- Full Resin bond system

#### BENEFITS

- Self sharpening grain
- Improved cut rate
- Extended product life
- Tear resistant
- Prevents premature clogging
- Strong grain adhesion

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150mm NO HOLE	Z36	50	H875P	66261123575	9310357221975
	Z40	50	H875P	66261123574	9310357221982
	Z80	50	H875P	66261123573	9310357221999

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 200mm NO HOLE	Z36	25	H875P	66261123578	9310357221937
	Z40	25	H875P	66261123577	9310357221944
	Z80	25	H875P	66261123576	9310357221968

## STICK 'N' SAND DISCS ON A ROLL A275

BETTER ++++




#### FEATURES

- Premium, heat-treated high performance aluminium oxide abrasive
- Unique fibre-reinforced latex paper (B-weight)
- Water based No-Fil
- No pigment in No-Fil paper

#### BENEFITS

- Faster cut rate
- Improved performance
- more consistent uniform scratch pattern
- Flexible & tear resistant
- Improved load resistance
- No risk of colour transfer

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150mm dia. NO HOLE	100	1	A275	66623320622	9310357221845
	180	1	A275	66623320625	9310357221876
	240	1	A275	66623320626	9310357221883

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 150mm dia. NO HOLE	P80	6	A275	66261131481	3157625809413
	P100	6	A275	66261131480	3157625809406
	P120	6	A275	66261131479	3157625687936
	P150	6	A275	66261131478	3157625809383
	P180	6	A275	66261131477	3157625809376
	P240	6	A275	66261131475	3157625809352

Individually boxed



**STICK 'N' SAND PAPER DISCS**

**NO-FIL PAPER DISCS A297/H233**

**GOOD +++**



**FEATURES**

- "P" graded premium aluminium oxide grain
- Strong latex/paper backing  
H233: E-weight and  
A297: C-weight
- Water-based non-loading stearate
- A297 available in grits P80 - 400
- H233 available in grits P36, P40 & P60

**BENEFITS**

- Produces a quick, cool cut
- Produces a more consistent scratch pattern
- Resists tearing
- Conformable and flexible
- Resists loading
- Increases productivity

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150mm dia. NO Hole	36	50	H233	66623320506	9310357216667
	40	50	H233	66623320507	9310357216674
	60	50	H233	66623320508	9310357216681
	80	100	A297	66623320509	9310357216698
	100	100	A297	66623320510	9310357216704
	120	100	A297	66623320505	9310357216711
	150	100	A297	66623320511	9310357216728
	180	100	A297	66623320512	9310357216735
	220	100	A297	66623320513	9310357218005
	240	100	A297	66623320514	9310357216742
	280	100	A297	66623320515	9310357216759
	320	100	A297	66623320516	9310357216766
	400	100	A297	66623320517	9310357216773
150mm dia. 6+1 HOLE	80	100	A297	66623320530	9310357216926
	120	100	A297	66623320532	9310357216940
	150	100	A297	66623320533	9310357216957

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
200mm dia. NO HOLE	36	50	H233	66623320518	9310357216780
	40	50	H233	66623320519	9310357216797
	60	50	H233	66623320520	9310357216803
	80	100	A297	66623320521	9310357216810
	100	100	A297	66623320522	9310357216827
	120	100	A297	66623320523	9310357216834
	180	100	A297	66623320524	9310357216858
200 mm dia. 8+1 HOLE	240	100	A297	66623320525	9310357216865
	36	50	H233	66623320565	9310357217008
	80	100	A297	66623320538	9310357217015

# CUT SHEETS

Norton offers a full range of cut sheets for hand and machine use, providing a range of efficient, user-friendly abrasive solutions. The extended range of dimensions and grits complies with all commonly encountered applications.

## APPLICATIONS & MARKETS

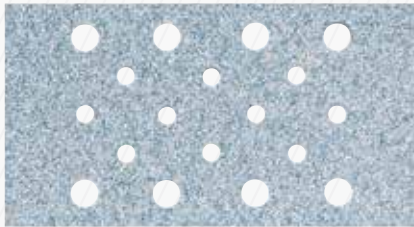
- Flatten sharp edges & large surface areas
- Deburring
- Removing sanding scratches



## MULTI-AIR CUT SHEETS

### MULTI-AIR PLUS A975

BEST +++++ INNOVATION


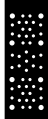



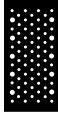
#### FEATURES

- Norton SG Ceramic abrasive blended with premium heat-treated aluminium oxide
- Unique reinforced latex paper
- Water based No-Fil
- No pigment in No-Fil or bond
- Improved performance
- Ideal for large surface area

#### BENEFITS

- Higher & faster cut rate
- Consistent & uniform scratch pattern
- Combines flexibility with tear resistance
- Resists clogging during use
- No risk of colour transfer
- Extended life
- Less downtime

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 70 x 125	80	50	A975	69957394456	3157625736184
	120	50	A975	69957394457	3157625736191
	180	50	A975	69957394459	3157625736214
	240	50	A975	69957394460	3157625736221
	320	50	A975	69957394461	3157625736238
 70 x 198	80	50	A975	69957394470	3157625736344
	120	50	A975	69957394472	3157625736351
	180	50	A975	69957394474	3157625736375
	240	50	A975	69957394475	3157625736382
	320	50	A975	69957394477	3157625736399

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 70 x 420	80	50	A975	69957394463	3157625736252
	120	50	A975	69957394464	3157625736269
	180	50	A975	69957394466	3157625736283
	240	50	A975	69957394467	3157625736306
	320	50	A975	69957394468	3157625736313
 115 x 230	80	50	A975	69957394479	3157625736412
	120	50	A975	69957394481	3157625736429
	180	50	A975	69957394483	3157625736443
	240	50	A975	69957394484	3157625736467
	320	50	A975	69957394485	3157625736474

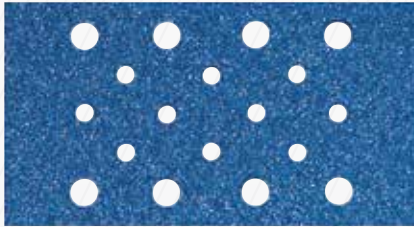




## MULTI-AIR CUT SHEETS

### MULTI-AIR H835

BEST +++++ INNOVATION



#### FEATURES

- Latest Norzon grain design
- High strength paper backing (E-weight)
- Open grain distribution
- Full resin bond system

#### BENEFITS

- Self-sharpening grain
- Improved cut rate for higher productivity
- Extended product life
- Reduces curling & edge chipping
- Tear resistant
- Prevents premature clogging
- Strong & Improved grain adhesion

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 70 x 125	40	50	H835	69957394449	3157625736108
	60	50	H835	69957394350	3157625736009
	80	50	H835	69957394355	3157625736016
	120	50	H835	69957394357	3157625736023
 70 x 198	40	50	H835	69957394363	3157625736078
	60	50	H835	69957394367	3157625736085
	80	50	H835	69957394369	3157625736092
	120	50	H835	69957394451	3157625736122

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 70 x 425	40	50	H835	69957394450	3157625736115
	60	50	H835	69957394358	3157625736047
	80	50	H835	69957394360	3157625736054
	120	50	H835	69957394361	3157625736061
 115 x 230	40	50	H835	69957394452	3157625736139
	60	50	H835	69957394453	3157625736146
	80	50	H835	69957394454	3157625736153
	120	50	H835	69957394455	3157625736177

## MULTI-AIR SANDING BLOCKS

## ACCESSORIES

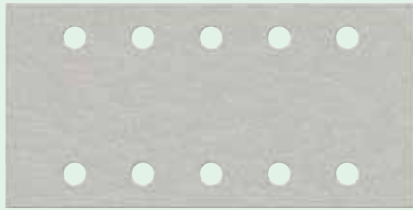


- Multi-Air Sanding Blocks eliminate dust and increase the surface cut area, improving productivity
- The multi-hole perforations in the sanding sheet and block allows sanding particles to be drawn into the sanding chamber and away from the surface for full visual control of the work area.
- For use with a vacuum system and Multi-Air cut sheets.
- Special shaped blocks are available for interchangeable surfaces developed for concave and convex sanding panels.

DESCRIPTION	PK QTY	PRODUCT CODE	BARCODE
A. Multi-Air Sanding Blocks 70 x 125mm	1	69957396645	3157625750326
B. Multi-Air Sanding Blocks 70 x 198mm	1	69957396646	3157625750333
C. Multi-Air Sanding Blocks 70 x 400mm	1	69957396648	3157625750364
D. Multi-Air Sanding Blocks 115 x 230mm	1	69957396644	3157625750319
E. Flexible 4m Vacuum Pipe	1	07660767979	3157625772779
F. Multi-Air Sanding Block Kit (consists of A,B,C,D)	1	69957396649	3157625750371
G. Sanding Block Kit for Multi-Air 150mm discs	1	77696024493	3157629537428

NO-FIL SPEED GRIP SHEETS A297

GOOD +++





FEATURES

- "P" graded premium aluminium oxide grain
- Strong C weight latex/paper backing
- Water-based, non-loading stearate

BENEFITS

- Produces a quick, cool cut
- Produces a more consistent scratch pattern
- Resists tearing
- Conformable and flexible
- Resists loading
- Increases productivity

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 70 x 420mm 14 HOLE	40	50	H233	66623320297	9310357220343
	80	50	A297	66623320299	9310357220350
	120	50	A297	66623320300	9310357220367
	180	50	A297	66623320301	9310357220374
	240	50	A297	66623320302	9310357220381
 81 x 153mm 8 HOLE	80	50	A297	66623320320	9310357221500
	120	50	A297	66623320321	9310357221517
	180	50	A297	66623320322	9310357221524
	240	50	A297	66623320323	9310357221531

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 x 230mm 10 HOLE	40	50	H233	66623320294	9310357220282
	80	50	A297	66623320308	9310357220725
	120	50	A297	66623320310	9310357220749
	180	50	A297	66623320311	9310357220756
	240	50	A297	66623320312	9310357220763
	320	50	A297	66623320296	9310357220336





**PAPER SHEETS**

**ADALOX CUT SHEETS G216**

**GOOD +++**





**FEATURES**

- Aluminium oxide abrasive
- E-weight paper backing

**BENEFITS**

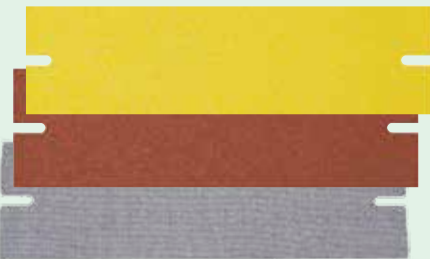
- Good performance
- Economy product

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 70 x 460mm	36	50	G216	66623320220	9310357205142
	40	50	G216	66623320221	9310357205159
	60	50	G216	66623320211	9310357205166
	80	50	G216	66623320212	9310357206194
	120	50	G216	66623320216	9310357205111

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 x 280mm	36	50	G216	66623320219	9310357201113
	40	50	G216	66623320222	9310357201120
	60	50	G216	66623320218	9310357201137
	80	50	G216	66623320213	9310357201144
	120	50	G216	66623320217	9310357201168

**SLOTTED SHEETS**

**GOOD +++**



**FEATURES**

- Adalox**  
Aluminium oxide abrasive
- E-weight paper backing


**Screen-Bak**

- Silicon carbide abrasive on an open mesh backing

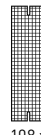
**BENEFITS**

- Good performance
- Economy product
- Extreme resistance to loading
- Long life, waterproof

**ADALOX**

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 108 x 372mm	120	20	G216	66623320339	9310357259756
	150	20	H231	66623320340	9310357259763
	180	20	H231	66623320341	9310357259770

**SCREEN-BAK**

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 108 x 372mm	120	20	Q421	66623320342	9310357259787
	220	20	Q421	66623320343	9310357259794
 85 x 305mm	150	20	Q421	66623320345	9310357259831

## SPEED GRIP ROLLS

### ADALOX SPEED GRIP ROLLS G216

GOOD +++




#### FEATURES

- Aluminium oxide abrasive
- E-weight paper backing

#### BENEFITS

- Good performance
- Economy product for sanding wood, paint & plaster

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115mm x 25m ROLL	36	1	G216	66623321069	9310357247753
	40	1	G216	66623321070	9310357247760
	80	1	G216	66623321071	9310357247777

### ADALOX SPEED GRIP ROLLS A297

GOOD +++




#### FEATURES

- "P" graded premium aluminium oxide grain
- Strong C-weight latex/paper backing
- Water-based non-loading stearate
- Available in grits P80-400 & P120 - 320

#### BENEFITS

- Produces a quick, cool cut
- Produces a more consistent scratch pattern
- Resists tearing
- Conformable and flexible
- Resists loading
- Increases productivity

DIM DIA x H [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115mm x 25m ROLL	120	1	A297	66623321072	9310357247784
	180	1	A297	66623321073	9310357247791
	240	1	A297	66623321074	9310357258476
	320	1	A297	66623321075	9310357258483



**BEAR-TEX ROLLS**

**BEAR-TEX ROLLS**

**GOOD +++**

**BEAR-TEX®**




**FEATURES**

- High quality aluminium oxide or silicon carbide grain
- Uniform web construction
- Can be cut to exact sizes needed
- Flexible for hand and machine use
- Non-loading
- 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
- Waterproof & solvent resistant

DIM DIA x H (MM)	GRADE	PACK QTY	MAT TYPE	PRODUCT CODE	BARCODE
 115mm x 25m ROLL	Very Fine	1	747	66623321812	9310357221586
	Very Fine	1	796	66623321813	9310357221593
	Micro Fine	1	748	66623321810	9310357210573
	Non Abrasive	1	456	66623321811	9310357221579



# SANDING SHEETS

Norton offers a wide range of paper, cloth & waterproof sheets for use in all commonly encountered industrial applications.

## APPLICATIONS & MARKETS

- Metal sanding
- Bare wood sanding
- Sanding between coats
- Scale & rust removal
- Scouring & light deburring



### 230 x 280mm SANDING SHEETS

## TUFBAK WATERPROOF SHEETS T417

BEST +++++



### FEATURES

- Premium, ultra fine silicon carbide abrasive
- Advanced resin bond system
- Advanced paper backing  
P60 - P220: C-Weight  
P240 - P2000: B-Weight

### BENEFITS

- Best finish on wet clear-coat
- Waterproof
- Ultimate flexibility

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	60	50	T417	66623320254	9310357213406
	80	50	T417	66623320255	9310357213413
	100	50	T417	66623320256	9310357213420
	120	50	T417	66623320257	9310357213437
	150	50	T417	66623320258	9310357213444
	180	50	T417	66623320259	9310357213451
	220	50	T417	66623320260	9310357213468
	240	50	T417	66623320261	9310357213475
	280	50	T417	66623320262	9310357213482
	320	50	T417	66623320263	9310357213499

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	360	50	T417	66623320264	9310357213505
	400	50	T417	66623320265	9310357213512
	500	50	T417	66623320266	9310357213529
	600	50	T417	66623320267	9310357213536
	800	50	T417	66623320268	9310357213543
	1000	50	T417	66623320269	9310357213550
	1200	50	T417	66623320270	9310357213567
	1500	50	T417	66623320337	9310357256731
	2000	50	T417	66623320338	9310357256748



230 x 280mm SANDING SHEETS

2K TUFBAK WATERPROOF SHEETS T226

BEST +++++



FEATURES

- Aluminium oxide abrasive
- Waterproof paper backing
- Shallow scratch pattern

BENEFITS

- Multit purpose product
- Advanced product
- Flexible
- Suitable for finishing clear coat

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	240	50	T226	66623320283	9310357214922
	320	50	T226	66623320284	9310357214939
	400	50	T226	66623320285	9310357215646
	600	50	T226	66623320286	9310357215653

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	800	50	T226	66623320287	9310357214960
	1000	50	T226	66623320371	9310357215820
	1200	50	T226	66623320288	9310357214977
	1500	50	T226	66623320406	9310357215844

SANDING SHEETS A275

BETTER ++++

**A275OP™**



FEATURES

- Premium, aluminium oxide grain
- Fibre-reinforced latex, B-weight paper
- No-Fil layer
- No pigment in No-Fil or bonding system

BENEFITS

- Long lasting, fast cut rate
- Tear resistant
- Resists loading & extends life
- No risk of colour transfer

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	80	50	A275	66261131634	9310357258674
	100	100	A275	66261131633	9310357258681
	120	100	A275	66261131632	9310357258698
	150	100	A275	66261131631	9310357258704
	180	100	A275	66261131630	9310357248934
	220	100	A275	66261131629	9310357248941
	240	100	A275	66261131628	9310357248958

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	280	100	A275	66261131627	9310357248965
	320	100	A275	66261131626	9310357248972
	400	100	A275	66261131624	9310357248989
	500	100	A275	66261131623	9310357248996
	600	100	A275	66261131622	9310357249009
	800	100	A275	66261131621	9310357249016
	1200	100	A275	66261131619	9310357258728

## 230 x 280mm SANDING SHEETS

### NO-FIL SANDING SHEETS A239

BETTER ++++



#### FEATURES

- "P" graded premium aluminium oxide grain
- Strong B & C weight latex/paper backing
- Water-based non-loading stearate

#### BENEFITS

- Produces a quick, cool cut
- Produces a more consistent scratch pattern
- Resists tearing
- Conformable and flexible
- Resists loading
- Increases productivity

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	80	50	A239	66623320272	9310357213581
	100	50	A239	66623320273	9310357213598
	120	50	A239	66623320274	9310357213604
	150	50	A239	66623320275	9310357213611
	180	50	A239	66623320276	9310357213628
	220	50	A239	66623320277	9310357213635

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	240	50	A239	66623320278	9310357213642
	280	50	A239	66623320279	9310357213659
	320	50	A239	66623320280	9310357213666
	360	50	A239	66623320281	9310357213673
	400	50	A239	66623320282	9310357213680

### CABINET SANDING SHEETS A294

GOOD +++



#### FEATURES

- Aluminium oxide abrasive
- C-weight paper backing

#### BENEFITS

- Aggressive cutting action for all dry sanding applications
- Heavy & light duty hand sanding

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	40	25	A294	77696072366	9310357281610
	60	25	A294	77696072367	9310357281627
	80	50	A294	77696072368	9310357281634
	100	50	A294	77696072369	9310357281641

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	120	50	A294	77696072370	9310357281658
	150	50	A294	77696072371	9310357281665
	180	50	A294	77696072372	9310357281672
	220	50	A294	77696072373	9310357281689





230 x 280mm SANDING SHEETS

CLOTH BACKED METAL SANDING SHEETS K283

GOOD +++



FEATURES

- Aluminium oxide abrasive
- J-weight cloth backing

BENEFITS

- For general purpose maintenance applications
- Flexible product

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	40	50	K283	66623320224	9310357201052
	60	50	K283	66623320223	9310357201069
	80	50	K283	66623320231	9310357201076
	100	50	K283	66623320230	9310357201083

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
230 x 280mm	120	50	K283	66623320229	9310357201090
	150	50	K283	66623320228	9310357206484
	180	50	K283	66623320232	9310357201106
	240	50	K283	66623320227	9310357206491

SANDING SPONGES

SOFT TOUCH SPONGES

BETTER ++++



FEATURES

- Multi-purpose
- Flexible
- Washable

BENEFITS

- Can be used wet or dry
- Conform to surface shapes & contours, providing a uniform finish
- Can reach areas inaccessible to sandpaper sheets
- Can be reused, giving added product life

DIM DIA x H (MM)	GRIT	GRADE	PACK QTY	PRODUCT CODE	BARCODE
114 x 140 x 5mm	180/120	Medium	20	07660703074	076607030740
	400/320	Fine	20	07660703075	7702301118219
	600/500	Super Fine	20	07660703076	7702301118233

DIM DIA x H (MM)	GRIT	GRADE	PACK QTY	PRODUCT CODE	BARCODE
114 x 140 x 5mm	1000/800	Ultra Fine	20	07660703077	076607030771
	1500/1200	Micro Fine	20	07660703078	076607030788

## FLEXI SAND BLOCKS

BETTER ++++



### FEATURES

- Multi purpose
- Flexible
- Washable

### BENEFITS

- Can be used wet or dry
- Conforms to surface shapes and contours providing a uniform finish
- Can reach areas inaccessible to sandpaper sheets
- Can be washed and re-used giving added product life

GRADE	PACK QTY	PRODUCT CODE	BARCODE
Medium/ Fine	10	66623320008	9310357701224
Medium/ Coarse	10	66623320009	9310357701231

## DUAL ANGLE FLEXI SAND BLOCKS

BETTER ++++



### FEATURES

- Multi purpose
- Flexible
- Washable

### BENEFITS

- Can be used wet or dry
- Conforms to surface shapes and contours providing a uniform finish
- Can reach areas inaccessible to sandpaper sheets
- Can be washed and re-used giving added product life

GRADE	PACK QTY	PRODUCT CODE	BARCODE
Medium/ Fine	10	66623322163	9415900000868
Medium/ Fine	100	66623322164	9310357725459



## PAPER ROLLS

Coated abrasive rolls are ideal for fast easy sanding of various materials. They can be torn to exact lengths as needed.

### APPLICATIONS & MARKETS

- Light deburring
- Removing rust & scale
- Sanding & polishing
- Bare wood sanding
- Hand sanding
- Machine sanding on eccentric sanders
- Paint & plaster sanding
- Floor sanding



## SANDPAPER ROLLS

### MASTER PAINTER SANDPAPER ROLLS A123

BETTER ++++



#### FEATURES

- D-Weight backing
- Aluminium oxide abrasive
- Perforated every metre

#### BENEFITS

- Economy product for sanding wood, paint and plaster
- Good performance

DIM (MM)	GRIT	PACK QTY	SIZE	PRODUCT CODE	BARCODE
 WIDTH mm x LENGTH m	40	1	100 mm x 25 m	66623320822	9310357710455
	60	1	100 mm x 32 m	66623320825	9310357710462
	80	1	100 mm x 36 m	66623320824	9310357710479
	120	1	100 mm x 40 m	66623320823	9310357710486
 WIDTH mm x LENGTH m	40	1	115 mm x 25 m	66623320754	9310357710509
	60	1	115 mm x 32 m	66623320755	9310357710516
	80	1	115 mm x 36 m	66623320756	9310357710523
	120	1	115 mm x 40 m	66623320757	9310357710530

DIM DIA x H (MM)	GRIT	PACK QTY	SIZE	PRODUCT CODE	BARCODE
 WIDTH mm x LENGTH m	40	1	150 mm x 25 m	66623320829	9310357710554
	60	1	150 mm x 32 m	66623320827	9310357710561
	80	1	150 mm x 36 m	66623320826	9310357710578
	120	1	150 mm x 40 m	66623320828	9310357710585

## SANDPAPER ROLLS

### NO-FIL SANDPAPER ROLLS A297

BETTER ++++



#### FEATURES

- "P" graded premium aluminium oxide grain
- Strong C weight paper backing
- Water-based, non-loading stearate
- Produces a quick, cool cut
- Produces a more consistent scratch pattern
- Resists tearing
- Conformable and flexible
- Resists loading
- Increases productivity

DIM [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 70 mm x 50 m	80	1	A297	66623321148	9310357216506
	120	1	A297	66623321151	9310357216520
	180	1	A297	66623321154	9310357216544

DIM [MM]	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 mm x 50 m	80	1	A297	66623321149	9310357216407
	100	1	A297	66623321150	9310357216414
	120	1	A297	66623321152	9310357216421
	150	1	A297	66623321153	9310357216438
	180	1	A297	66623321155	9310357216445
	240	1	A297	66623321156	9310357216452
320	1	A297	66623321157	9310357216469	

### NO-FIL SANDPAPER ROLLS A239

BETTER ++++



#### FEATURES

- Strong B & C-Weight latex/paper backing
- Aluminium oxide abrasive
- Water based, non-loading stearate
- Perforated every metre
- Suitable for use on primer, paint filler & coating sanding (for automotive & transport applications) and wood
- Long lasting, fast cut rate
- Good finish
- Resists loading & extends life

DIM [MM]	GRIT	PACK QTY	SIZE	PRODUCT CODE	BARCODE
 WIDTH mm x LENGTH m	80	1	100 mm x 25 m	66623320856	9310357710608
	120	1	100 mm x 25 m	66623320858	9310357710615
	180	1	100 mm x 25 m	66623320854	9310357710622

DIM DIA x H [MM]	GRIT	PACK QTY	SIZE	PRODUCT CODE	BARCODE
 WIDTH mm x LENGTH m	80	1	115 mm x 25 m	66623320855	9310357710660
	100	1	115 mm x 25 m	66623320872	9310357710677
	120	1	115 mm x 25 m	66623320857	9310357710684
	150	1	115 mm x 25 m	66623320873	9310357710691
	180	1	115 mm x 25 m	66623320853	9310357710707
	240	1	115 mm x 25 m	66623320874	9310357710714



**SANDPAPER ROLLS**

**ADALOX SANDPAPER ROLLS G216**

**GOOD +++**



**FEATURES**

- E-weight backing
- Aluminium oxide abrasive

**BENEFITS**

- Economy product for sanding wood, paint and plaster
- Good performance

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 70 mm x 50 m ROLL	36	1	G216	66623320869	9310357204657
	40	1	G216	66623320870	9310357204664
	60	1	G216	66623320844	9310357204671
	80	1	G216	66623320843	9310357204688
	100	1	G216	66623321139	9310357216254
	120	1	G216	66623320906	9310357215776
 100 mm x 50 m ROLL	40	1	G216	66623321114	9310357256847
	60	1	G216	66623321115	9310357256854
	80	1	G216	66623321116	9310357256861
	100	1	G216	66623321117	9310357256878
	120	1	G216	66623321118	9310357256885

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 mm x 50 m ROLL	36	1	G216	66623320847	9310357204695
	40	1	G216	66623320774	9310357204701
	60	1	G216	66623320768	9310357204718
	80	1	G216	66623320773	9310357204725
	100	1	G216	66623320766	9310357215783
	120	1	G216	66623320830	9310357212966
 150 mm x 50 m ROLL	36	1	G216	66623321138	9310357244875
	40	1	G216	66623320775	9310357201670
	60	1	G216	66623321023	9310357256908
	80	1	G216	66623320763	9310357201694
	100	1	G216	66623321140	9310357244998
	120	1	G216	66623321141	9310357245025

**CORK SANDING BLOCK**

**ACCESSORIES**



A rugged cork sanding block that requires no adhesive to fasten the abrasive paper to it. Just simply wrap the abrasive paper around the block and sand. Slide the sandpaper along the block to refresh the abrasive surface. All four sides can be used.

DIM (MM) W x L x H	PK QTY	PRODUCT CODE	BARCODE
99 x 59 x 35	24	66623320006	9310357701200

## HANDY ROLLS

### HANDY ROLLS K283

GOOD +++






#### FEATURES

- J-weight cloth backing
- Aluminium oxide abrasive

#### BENEFITS

- Economy product for metal polishing and de-burring
- Good performance

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 25 mm x 50 m DISPENSER	40	1	K283	66623320800	9310357201724
	60	1	K283	66623320795	9310357201731
	80	1	K283	66623320801	9310357201748
	100	1	K283	66623320804	9310357201755
	120	1	K283	66623320811	9310357201762
	150	1	K283	66623320812	9310357251330
	180	1	K283	66623320821	9310357201779
	240	1	K283	66623320818	9310357201786
	320	1	K283	66623320815	9310357201793
 40 mm x 50 m DISPENSER	40	1	K283	66623320798	9310357207726
	60	1	K283	66623320797	9310357207764
	80	1	K283	66623320803	9310357201823
	100	1	K283	66623320806	9310357207634
	120	1	K283	66623320810	9310357201847
	150	1	K283	66623320808	9310357207665
	180	1	K283	66623320820	9310357207689
	240	1	K283	66623320816	9310357207696
320	1	K283	66623320814	9310357207702	

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 50 mm x 50 m DISPENSER	40	1	K283	66623320799	9310357201885
	60	1	K283	66623320796	9310357201892
	80	1	K283	66623320802	9310357201908
	100	1	K283	66623320805	9310357201915
	120	1	K283	66623320809	9310357201922
	150	1	K283	66623320807	9310357207672
	180	1	K283	66623320819	9310357201939
	240	1	K283	66623320817	9310357201946
	320	1	K283	66623320813	9310357201953



#### SPEC CHECK

- K283 handy rolls are designed for manual applications. The flexibility of the cloth in combination with the wide grit range, from coarse to fine, provides an excellent tool for a variety of applications including deburring, rust removal & finishing metal
- Handy rolls are packaged in a protective, convenient dispenser which eliminates costly waste & permits neat, easy storage





**ROTOLO FOAM ROLLS**

**ROTOLO ROLLS A275**

BETTER ++++

**A275OP™**




**FEATURES**

- A275 premium abrasive paper
- Special No-Fil coating
- Flexible foam backing
- Water-resistant
- 25m long roll of pre-cut sheets
- Packed in innovative dispenser box

**BENEFITS**

- Excellent for fine sanding with high finishing level
- Reduces clogging
- Ideal for use on round edges, contours & curves without breaking through the paint surface. Easy gripping
- Washable
- Easy to use & economical
- New Easy cut upgraded
- Easy to handle, protected against dust

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 mm x 25 m DISPENSER	180	1	A275	66254499717	9310357266686
	240	1	A275	66254499719	3157629341506
	320	1	A275	66254499721	3157629341827

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 115 mm x 25 m DISPENSER	400	1	A275	66254499722	3157629341834
	500	1	A275	66254499723	3157629341841
	600	1	A275	66254499724	9310357266693
	800	1	A275	66254499725	3157629341865

**PRODUCT SELECTION GUIDE**

APPLICATION	GRIT	COLOUR
<b>ROTOLO FOAM ROLLS A275</b>		
Sanding of body filler	180	Purple
Sanding of finishing filler	240	Electric Blue
Sanding cataphoretic coats & primer	320	Salmon
Sanding polyurethane primer	400	Yellow
	500	Dark Blue
	600	Fuchsia
Cutting back lacquer before a flush joint	800	Turquoise



**SPEC CHECK**

- Rotolo Foam pre-cut sheets, conveniently packaged in a roll form, are ideal for fine sanding on round edges, contours & curves, providing an outstanding finish on primers & top coats. The secret of Rotolo Foam lies in the combination of Norton A275 sanding paper & the special foam backing
- To ease product recognition, box labels are colour-coded to a specific grit size. The colour-coding follows the Norton grit colour-coding system



# FILE BELTS

Norton offers a range of file belts designed to perform on intricate shapes and contours.

## APPLICATIONS & MARKETS

- Light deburring & blending
- Spot repairs
- General clean-up & finishing



## FILE BELTS

### BLAZE POWERFILE BELTS R980P

BEST **+++++** INNOVATION



#### FEATURES

- New generation SG ceramic grain
- New formulation of Supersize layer
- High performance resin system
- YY polyester backing for coarse grits (40 - 80)
- Available in grits P40, 60 & 80

#### BENEFITS

- Longer belt life
- High stock removal
- Advanced cooling system
- Less off hand pressure required to cut
- Reduced heat generation
- Maximum performance
- Fast and consistent cut rate
- Cost reduction per part

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
10 x 330	40	50	R980P	66261030010	662610300101
	60	50	R980P	66261030011	662610300118
	80	50	R980P	66261030012	662610300125
12 x 305	40	50	R980P	69957398018	699573980187
	60	50	R980P	69957398019	699573980194
	80	50	R980P	69957398020	699573980200
12 x 330	40	50	R980P	66261030013	662610300132
	60	50	R980P	66261030014	662610300149
	80	50	R980P	66261030015	662610300156
12 x 457	40	50	R980P	69957398021	699573980217
	60	50	R980P	69957398022	699573980224
	80	50	R980P	69957398023	699573980231

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
12 x 610	40	50	R980P	69957398024	699573980248
	60	50	R980P	69957398025	699573980255
	80	50	R980P	69957398026	699573980262
20 x 457	40	50	R980P	69957398027	699573980279
	60	50	R980P	69957398028	699573980286
	80	50	R980P	69957398029	699573980293
20 x 520	40	50	R980P	69957398030	699573980309
	60	50	R980P	69957398031	699573980316
	80	50	R980P	69957398032	699573980323





**FILE BELTS**

**NORZON POWERFILE BELTS R824**

BETTER ++++

*NorZon*®



**FEATURES**

- Strong polyester cloth
- Zirconia alumina abrasive
- High performance phenolic resin
- Grit availability: P40 - 80

**BENEFITS**

- Excellent belt performance on medium to hard contact wheels
- Good consistent cut rate even at low and medium pressure
- Low heat generation reduces risk of burn
- Excellent on various material types; from Stainless Steel to Inconel to Titanium
- Reduce your cost per part

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
10 x 330	40	10	R824	66623322250	9310357254515
	60	10	R824	66623322245	9310357247920
	80	10	R824	66623322246	9310357247937
13 x 330	40	10	R824	66623322251	9310357249818
	60	10	R824	66623322244	9310357219064

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
20 x 520	40	10	R824	66623322247	9310357247944
	60	10	R824	66623322249	9310357247951
	80	10	R824	66623322248	9310357247698



POWERFILE BELTS R293

GOOD +++




FEATURES

- Heavy polyester cloth
- Premium aluminium oxide
- Contains a small amount of SG abrasive
- Active filler

BENEFITS

- Good performance
- Improved grain adhesion
- For use on metal & wood edgings
- For extended product life
- Improved life on metal applications

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 13 x 455	40	10	R293	66623321294	9310357218593
	60	10	R293	66623321478	9310357218029
	80	10	R293	66623321479	9310357218036

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 30 x 533	40	10	R295	66623321250	9310357210801
	60	10	R295	66623321251	9310357212461
	80	10	R295	66623321252	9310357210795
	120	10	R295	66623321253	9310357212485

POWERFILE BELTS R219P

GOOD +++



FEATURES

- Strong cloth backing
- Aluminium oxide abrasive
- Open grain distribution

BENEFITS

- Multi-purpose product ideal for sanding wood & grinding metal
- Good cutting rate
- Reduced clogging on loading material such as wood & aluminium

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 30 x 533	40	10	R219	66623389205	9310357271475
	60	10	R219	66623389206	9310357271482
	80	10	R219	66623389207	9310357271499
	120	10	R219	66623389208	9310357271505



## PORTABLE BELTS

Norton offers portable belts in a variety of sizes, designed to fit the most common types of machine. Portable belts are designed for all metal and wood working applications.

All Norton belts are supplied with butt joints for easy mounting and smoother work.

### APPLICATIONS & MARKETS

- Surface grinding & finishing of all metals
- Blending welds
- Sanding & finishing wood
- Floor sanding



## PORTABLE MACHINE BELTS R219P

**GOOD +++**



### FEATURES

- Strong cloth backing
- Aluminium oxide abrasive
- Open grain distribution

### BENEFITS

- Multi-purpose product ideal for sanding wood & grinding metal
- Good cutting rate
- Reduced clogging on loading material such as wood & aluminium

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75 x 457	40	10	R219P	66623381791	9310357271598
	60	10	R219P	66623381802	9310357271604
	80	10	R219P	66623381812	9310357271611
	100	10	R219P	66623381821	9310357271628
	120	10	R219P	66623381829	9310357271635
75 x 480	40	10	R219P	66623381792	9310357271642
	60	10	R219P	66623381803	9310357271659
	80	10	R219P	66623381813	9310357271666
	120	10	R219P	66623381830	9310357271673
75 x 533	40	10	R219P	66623381793	9310357271727
	60	10	R219P	66623381804	9310357271734
	80	10	R219P	66623381814	9310357271741
	100	10	R219P	66623381822	9310357271758
	120	10	R219P	66623381831	9310357271765
75 x 610	40	10	R219P	66623381794	9310357271772
	60	10	R219P	66623381805	9310357271789
	80	10	R219P	66623381815	9310357271796
	100	10	R219P	66623381823	9310357271802
	120	10	R219P	66623381832	9310357271819

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 533	40	10	R219P	66623381795	9310357271826
	60	10	R219P	66623381806	9310357271833
	80	10	R219P	66623381816	9310357271840
	120	10	R219P	66623381833	9310357271864
100 x 560	40	10	R219P	66623381796	9310357271871
	80	10	R219P	66623381817	9310357271895
	120	10	R219P	66623381834	9310357271918
100 x 610	24	10	R293	66623321248	9310357204381
	40	10	R219P	66623381797	9310357271925
	60	10	R219P	66623381807	9310357271932
	80	10	R219P	66623381818	9310357271949
	100	10	R219P	66623381824	9310357271956
120	10	R219P	66623381835	9310357271963	

# NARROW BELTS FOR METAL

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

## APPLICATIONS & MARKETS

- Grinding & deburring
- Heavy stock removal
- Blending, dimensioning & shaping
- Finishing
- Polishing



## NARROW BELTS

### BLAZE NARROW BELTS R980P

BEST **+++++** INNOVATION



#### FEATURES

- New generation SG ceramic grain
- New formulation of Supersize layer
- High performance resin system
- YY polyester backing for coarse grits (40 - 80)
- Available in grits P36, 40, 60 & 80
- Other grits available - made to order

#### BENEFITS

- Longer belt life
- High stock removal
- Advanced cooling system
- Less off hand pressure required to cut
- Reduced heat generation
- Maximum performance
- Fast and consistent cut rate
- Cost reduction per part

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50 x 914	36	10	R980P	66623321457	9310357268895
	40	10	R980P	66623321458	9310357268918
	60	10	R980P	66623321459	9310357268932
	80	10	R980P	66623321460	9310357268956
50 x 1220	36	6	R980P	66623321461	9310357268970
	40	6	R980P	66623321462	9310357268994
	60	6	R980P	66623321463	9310357269014
	80	10	R980P	66623321464	9310357269038
75 x 2000	36	10	R980P	66623321469	9310357269274
	40	4	R980P	66623321470	9310357269298
	60	4	R980P	66623321471	9310357269311
	80	4	R980P	66623321472	9310357269335

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 914	36	3	R980P	66623321474	9310357269137
	40	3	R980P	66623321475	9310357269151
	60	3	R980P	66623321476	9310357269175
	80	3	R980P	66623321477	9310357269199
100 x 1520	36	3	R980P	66623321465	9310357269359
	40	3	R980P	66623321466	9310357269373
	60	3	R980P	66623321467	9310357269397
	80	3	R980P	66623321468	9310357269410



**NARROW BELTS**

**RED-X NARROW BELTS R976**

**BEST +++++ INNOVATION**



**FEATURES**

- Strong polyester cloth
- New friable ceramic SG grain
- High performance phenolic resin
- Third layer: a new high performance formulation of supersize
- Grit availability: 36 to 120
- Other sizes available - made to order

**BENEFITS**

- Excellent belt performance on medium to hard contact wheels
- Good consistent cut rate even at low and medium pressure
- Low heat generation reduces risk of burn
- Excellent on various material types; from Stainless Steel to Inconel to Titanium
- Reduce your cost per part

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50 x 914	36	5	R976	63642505238	9310357282341
	40	5	R976	63642505240	9310357282358
	60	5	R976	63642505243	9310357282365
	80	5	R976	63642505245	9310357282372
	120	5	R976	63642505246	9310357282389
50 x 1220	36	5	R976	63642505247	9310357282396
	40	5	R976	63642505248	9310357282402
	60	5	R976	63642505249	9310357282419
	80	5	R976	63642505250	9310357282426
	120	6	R976	63642505251	9310357282433
50 x 1520	40	6	R976	63642505252	9310357282440
	60	6	R976	63642505253	9310357282457
	80	6	R976	63642505254	9310357282464
	120	6	R976	63642505255	9310357282471
50 x 2440	36	6	R976	63642505373	9310357282488
	40	6	R976	63642505374	9310357282495
	60	6	R976	63642505375	9310357282501
50 x 2745	36	6	R976	63642505381	9310357282518
	40	5	R976	63642505382	9310357282525
	60	5	R976	63642505383	9310357282532
	80	5	R976	63642505384	9310357282549
	120	6	R976	63642505385	9310357282556
75 x 2000	36	5	R976	63642505386	9310357282563
	40	5	R976	63642505387	9310357282570
	60	5	R976	63642505388	9310357282587
	80	5	R976	63642505389	9310357282594
	120	4	R976	63642505390	9310357282600

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 914	36	3	R976	63642505391	9310357282617
	40	5	R976	63642505392	9310357282624
	60	5	R976	63642505393	9310357282631
	80	5	R976	63642505394	9310357282648
	120	3	R976	63642505395	9310357282655
100 x 1520	36	3	R976	63642505403	9310357282662
	40	5	R976	63642505402	9310357282679
	60	5	R976	63642505507	9310357282686
	80	5	R976	63642505508	9310357282693
	120	3	R976	63642505509	931035728270?
100 x 2440	36	3	R976	63642505510	9310357282716
	40	3	R976	63642505511	9310357282723
	60	3	R976	63642505512	9310357282730
	80	3	R976	63642505513	9310357282747
100 x 2745	36	3	R976	63642505514	9310357282754
	40	5	R976	63642505515	9310357282761
	60	5	R976	63642505516	9310357282778
	80	5	R976	63642505517	9310357282785
	120	3	R976	63642505519	9310357282792
150 x 1220	40	2	R976	63642505522	9310357282822
	60	5	R976	63642505523	9310357282839
	80	5	R976	63642505525	9310357282846
	120	2	R976	63642505526	9310357282853

# NORZON NARROW BELTS R824

BETTER ++++

**NorZon**<sup>®</sup>



## FEATURES

- Y-weight polyester cloth
- Norzon abrasive
- Other sizes available - made to order

## BENEFITS

- Stiff backing for backstand grinding
- Long lasting

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50 x 914	Z36	10	R824	66623321296	9310357220770
	Z40	10	R824	66623321297	9310357220787
	Z60	10	R824	66623321298	9310357220794
	Z80	10	R824	66623321299	9310357220800
50 x 1220	Z36	6	R824	66623321301	9310357220817
	Z40	10	R824	66623321300	9310357220824
	Z60	10	R824	66623321302	9310357220831
	Z80	10	R824	66623321303	9310357220848
50 x 1520	Z36	6	R824	66623321304	9310357220855
	Z40	6	R824	66623321305	9310357220862
	Z60	6	R824	66623321306	9310357220879
50 x 2440	Z36	6	R824	66623321307	9310357220886
	Z40	6	R824	66623321308	9310357220893
	Z60	6	R824	66623321310	9310357220916
	Z80	6	R824	66623321311	9310357220923

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 914	Z36	3	R824	66623321314	9310357220961
	Z40	3	R824	66623321315	9310357220978
	Z60	10	R824	66623321316	9310357220985
	Z80	3	R824	66623321317	9310357220992
100 x 1520	Z36	3	R824	66623321318	9310357221005
	Z40	10	R824	66623321319	9310357221012
	Z60	10	R824	66623321320	9310357221029
	Z80	10	R824	66623321321	9310357221036
100 x 2440	Z36	3	R824	66623321322	9310357221043
	Z40	3	R824	66623321323	9310357221050
	Z60	3	R824	66623321324	9310357221074
100 x 4270	Z36	3	R824	66623321325	9310357221098
	Z40	3	R824	66623321326	9310357221104
	Z60	3	R824	66623321327	9310357221111



Reshaping your world.

PRECISION SOLUTIONS

THE PRECISE FLEXIBLE DESIGN for consistent, fine finishes



**NARROW BELTS**

**NARROW BELTS R293**

**GOOD +++**



**FEATURES**

- Heavy polyester cloth
- Premium aluminium oxide
- Contains a small amount of SG abrasive
- Active filler

**BENEFITS**

- Good performance
- Improved grain adhesion
- For use on metal & wood edgings
- For extended product life
- Improved life on metal applications

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50 x 914	24	10	R295	66623321342	9310357255789
	36	10	R293	66623321256	9310357218081
	40	10	R293	66623321236	9310357203742
	60	10	R293	66623321218	9310357203735
	80	10	R293	66623321206	9310357203728
	100	10	R295	66623321275	9310357212447
	120	10	R295	66623321184	9310357203711
	180	10	R295	66623321255	9310357214380
	240	10	R295	66623321220	9310357214397
	320	10	R295	66623321259	9310357214403
400	6	R295	66623321260*	9310357214410	
50 x 1220	36	6	R293	66623321237*	9310357208297
	40	10	R293	66623321224	9310357208365
	60	10	R293	66623321239	9310357208464
	80	10	R293	66623321205	9310357208488
	100	6	R295	66623321193*	9310357208211
	120	10	R295	66623321183	9310357208259
50 x 1520	180	6	R295	66623321211*	9310357212492
	36	6	R293	66623321243*	9310357218104
	40	6	R293	66623321225*	9310357204640
	60	10	R293	66623321217	9310357208389
	80	10	R293	66623321204	9310357211785
50 x 2440	100	6	R295	66623321192*	9310357211778
	120	6	R295	66623321182*	9310357215417
	24	6	R295	66623321344*	9310357255802
	40	6	R293	66623321226*	9310357208372
	60	6	R293	66623321216*	9310357208396
75 x 2000	80	6	R293	66623321203*	9310357208143
	120	6	R295	66623321181*	9310357208112
	240	6	R295	66623321241*	9310357218135
	24	4	R295	66623321345*	9310357255826
	36	4	R293	66623321346*	9310357255833
	80	10	R293	66623321349	9310357255864
	100	4	R295	66623321350*	9310357255871

\* Indicates belt made to order  
Other sizes available - made to order

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 914	24	4	R295	66623321352*	9310357255895
	36	4	R293	66623321249*	9310357215295
	40	10	R293	66623321230	9310357202769
	60	10	R293	66623321219	9310357204411
	80	10	R293	66623321199	9310357202776
	100	10	R295	66623321188	9310357202783
	120	10	R295	66623321177	9310357202790
	100 x 927	60	3	R293	66623321212*
80		10	R293	66623321198	9310357208532
100		3	R295	66623321187*	9310357208099
100 x 1330	120	3	R295	66623321176*	9310357212454
	60	3	R293	66623321210*	9310357208419
	80	3	R293	66623321197*	9310357208501
100 x 1520	100	3	R295	66623321186*	931035714793
	120	3	R295	66623321175*	9310357211723
	36	3	R293	66623321254*	9310357218241
100 x 2440	40	10	R293	66623321233	9310357208341
	60	10	R293	66623321209	9310357208426
	80	10	R293	66623321196	9310357208518
	120	10	R295	66623321174	9310357208235
100 x 4270	24	3	R295	66623321354*	9310357255932
	40	3	R293	66623321234*	9310357208563
	60	3	R293	66623321208*	9310357208587
	80	3	R293	66623321195*	9310357208167
	100	3	R295	66623321185*	9310357208198
	120	3	R295	66623321173*	9310357218258
150 x 1220	36	10	R293	66623321355	9310357255956
	40	3	R293	66623321235*	9310357218272
	60	3	R295	66623321207*	9310357208433
150 x 1520	40	10	R293	66623321356	9310357255963
	60	10	R293	66623321357	9310357255970
	80	10	R293	66623321358	9310357255987
	100	10	R295	66623321359	9310357255994
	120	10	R295	66623321360	9310357256007
150 x 1520	60	2	R293	66623321362*	9310357256021
	80	2	R293	66623321363*	9310357256038
	100	2	R295	66623321364*	9310357256045







**NARROW BELTS**

**NARROW BELTS R219P**

**GOOD +++**



**FEATURES**

- Strong cloth backing
- Aluminium oxide abrasive
- Open grain distribution

**BENEFITS**

- Multi-purpose product ideal for sanding wood & grinding metal
- Good cutting rate
- Reduced clogging on loading material such as wood & aluminium

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 50 x 686	40	10	R219P	66623381788	9310357271512
	60	10	R219P	66623381799	9310357271529
	80	10	R219P	66623381809	9310357271536
	120	10	R219P	66623381826	9310357271543
 50 x 914	40	10	R219P	66623381789	9310357271970
	60	10	R219P	66623381800	9310357271987
	80	10	R219P	66623381810	9310357271994
	100	10	R219P	66623381820	9310357272007
	120	10	R219P	66623381827	9310357272014

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 50 x 1220	40	10	R219P	66623381790	9310357272021
	60	10	R219P	66623381801	9310357272038
	80	10	R219P	66623381811	9310357272045
	120	10	R219P	66623381828	9310357272069
 100 x 914	40	10	R219P	66623381798	9310357272076
	60	10	R219P	66623381808	9310357272083
	80	10	R219P	66623381819	9310357272090
	100	10	R219P	66623381825	9310357272106
	120	10	R219P	66623381836	9310357272113

**CUSTOM MADE SOLUTIONS  
ABRASIVES  
MADE TO YOUR  
SPECIFICATIONS**

# WHEELS FOR SATINEX MACHINES

Bear-TEX 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



## BEAR-TEX SATINEX WHEELS

### SATINEX WHEELS

GOOD +++

**BEAR-TEX**



#### FEATURES

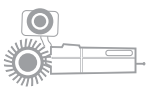
- Key way fitting
- Used on portable, variable speed machines
- Wide range of different grades
- Advanced flap wheel construction

#### 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
Stainless steel fabricators	Grain finishing on sheets, removing 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 with extended life	Satinex polyurethane



## BEAR-TEX SATINEX WHEELS

TYPE	APPLICATION	DIM DxTxB(mm)	CAP CODE	GRADE	PK QTY	PRODUCT CODE	BARCODE
Satinex Cloth A0 Abrasive	Grinding/Coarse Graining	110x100x19	R265	P40	6	66261178710	
			R265	P60	6	63642556870	
			R265	P80	6	63642569354	636425693543
			R265	P120	1	66623322017	636425567448
			R265	P180	1	66623322022	636425571919
Satinex Non-Woven	Blending/Satin Finishing	110x100x19	F2200	A Coarse	6	63642557218	
			F2300	A Medium	1	66623322020	636425571872
			F2400	A Fine	1	66623322021	636425571896
			F2402	A Fine	6	07660707415	
			F2504	A Very Fine	6	63642557406	
			F4306	S Med	6	63642556878	
Satinex Interleaved	Blending/Fine Graining	110x100x19	F2200	A Coarse + P80	6	63642557407	
			F2309	A Medium + P80	1	66623322015	636425567363
			F2300	A Medium + P150	6	63642557408	
			F4402	S Fine + P150	6	63642556741	
Satinex Polyurethane	Blending/Satin Finishing	110x100x19	P2W01	Coarse	6	63642557410	
Satinex Rapid Strip	Cleaning/Corrosion removal	110x100x19	R4101	Extra Coarse [SiC]	1	66623322019	636425571841

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

## SATINEX KIT

GOOD +++

### SATINEX KIT



#### APPLICATION

#### PRODUCT CODE

SATINEX KIT:  
Satinex tool and assorted wheels

66254488427\*

A handy portable kit with everything contained to get you started on the Finish thanks to the speed and precision of the tool combined with the versatility of the Bear-Tex Wheels.

Contains Satinex tool and 6 assorted wheels.

\*Made to order

## PRODUCT SELECTION GUIDE

MATERIALS / APPLICATIONS	DEBURRING	CLEANING	BLEND/FINISH
All metal	F2200	F2300	F2402/F4306

# CLOTH BELTS FOR FLOOR SANDING

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

## APPLICATIONS & MARKETS

- Floor grinding
- Deburring
- Heavy stock removal
- Blending, dimensioning & shaping
- Finishing



## FLOOR SANDING BELTS

### RED HEAT BELTS R955

BEST +++++ INNOVATION



#### FEATURES

- Very strong polyester cloth backing
- SG ceramic abrasive
- High quality product

#### BENEFITS

- Extra long life & tear resistant
- Time saving
- Unmatched cut rate with optimum resistance and wear, ideal for professional floor sanding
- Less belt changes

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 200 x 750	24	5	R955	69957345034	699573450345
	36	5	R955	69957345033	699573450338
	40	5	R955	69957345032	699573450321
	60	5	R955	69957345030	699573450307
	80	5	R955	69957345029	699573450291
	100	5	R955	69957345028	699573450284
	120	5	R955	69957345027	699573450277

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 250 x 750	36	5	R955	69957346293	699573462935
	40	5	R955	69957346294	699573462942
	60	5	R955	69957346296	699573462966
	80	5	R955	69957346297	699573462973
	100	5	R955	69957346298	699573462980
 300 x 750	36	5	R955	69957345041	699573450413
	40	5	R955	69957345040	699573450406
	60	5	R955	69957345038	699573450383
	80	5	R955	69957345037	699573450376
	100	5	R955	69957345036	699573450369

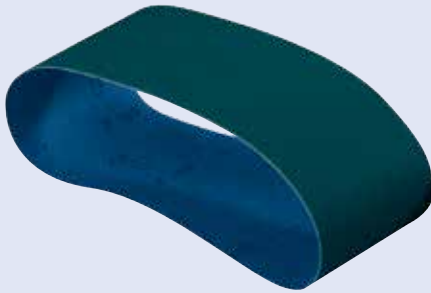


**FLOOR SANDING BELTS**

**NORZON BELTS R809**

BETTER ++++

*NorZon*®



**FEATURES**

- Heavy polyester cloth
- 100% Norzon abrasive
- High quality product

**BENEFITS**

- Stiff tear resistant backing
- Long lasting cutting edges of NorZon brings long life even at high pressure
- Very good performance on hardwood

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
200 x 750	24	5	R809	66623321429	9310357263005
	36	5	R809	66623321430	9310357263012
	40	5	R809	66623321431	9310357263029
	60	5	R809	66623321432	9310357263036
	80	5	R809	66623321433	9310357263043
	100	5	R809	66623321434	9310357264088
	120	5	R809	66623321435	9310357263050
250 x 750	24	5	R809	66623321436	9310357263081
	36	5	R809	66623321437	9310357263098
	40	5	R809	66623321438	9310357263104
	60	5	R809	66623321439	9310357263111
	80	5	R809	66623321440	9310357263128
	100	5	R809	66623321441	9310357264095
	120	5	R809	66623321442	9310357263135

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
305 x 750	24	5	R809	66623321443	9310357263159
	36	5	R809	66623321444	9310357263166
	40	5	R809	66623321445	9310357263173
	60	5	R809	66623321446	9310357263180
	80	5	R809	66623321447	9310357263197
	100	5	R809	66623321448	9310357264101
305 x 800	24	5	R809	66623321450	9310357263531
	36	5	R809	66623321451	9310357263548
	40	5	R809	66623321452	9310357263555
	60	5	R809	66623321453	9310357263562
	80	5	R809	66623321454	9310357263579
	100	5	R809	66623321455	9310357264118
120	5	R809	66623321456	9310357263586	



## FLOOR SANDING BELTS

### CLOTH BELTS R206

GOOD +++



#### FEATURES

- Strong cloth backing
- Aluminium oxide abrasive
- Open grain distribution

#### BENEFITS

- Multi-purpose economy product ideal for sanding wooden floors
- Good cutting rate
- Reduced clogging

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
203 x 480	24	5	R206	66623321336	9310357251279
	40	5	R206	66623321337	9310357251286
	60	10	R206	66623321338	9310357251293
	80	10	R206	66623321339	9310357251309
	100	10	R206	66623321340	9310357251316
	120	10	R206	66623321341	9310357251323
200 x 750	24	5	R206	66623321257	9310357209881
	36	5	R206	66623321258	9310357210467
	40	10	R206	66623321279	9310357214090
	60	10	R206	66623321280	9310357214106
	80	10	R206	66623321281	9310357214113
	100	10	R206	66623321282	9310357214120
250 x 750	24	5	R206	66623321276	9310357212812
	36	5	R206	66623321274	9310357212171
	40	10	R206	66623321284	9310357214199
	60	10	R206	66623321277	9310357214311
	80	10	R206	66623321285	9310357214205
	100	10	R206	66623321278	9310357214328
	120	10	R206	66623321286	9310357214212

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
305 x 750	24	5	R206	66623321290	9310357218999
	36	5	R206	66623321291	9310357219002
	40	10	R206	66623321287	9310357219019
	60	10	R206	66623321288	9310357219026
	80	10	R206	66623321292	9310357219033
	100	10	R206	66623321289	9310357219040
305 x 800	120	10	R206	66623321293	9310357219057
	40	10	R206	66623321330	9310357235064
	60	10	R206	66623321331	9310357235132
	80	10	R206	66623321332	9310357235149
	100	10	R206	66623321333	9310357235194

**NORTON**

SAINT-GOBAIN

# REDHEAT<sup>®</sup>

**EXTRA**  
**THE MUSCLE BEHIND THE MACHINE™**

Reshaping  
your  
world.

**SAVE TIME WITH UNMATCHED  
CUT-RATE AND PRODUCT LIFE**

  
**SAINT-GOBAIN**

## FLOOR SANDING ROLLS

### SANDING ROLLS R413

BETTER ++++





#### FEATURES

- Very strong cloth backing
- Sharp silicon carbide abrasive
- Very open grain distribution

#### BENEFITS

- High tear resistance
- Very high cutting action for rough floor sanding applications
- Long life
- Aggressive cut & clog resistant

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 200mm x 25m	16	1	R413	77696075775	9310357281528
	20	1	R413	77696075777	9310357281535
	24	1	R413	77696075778	9310357281542
	30	1	R413	77696075779	9310357281559
	40	1	R413	77696075780	9310357281566
 250mm x 25m	16	1	R413	77696075781	9310357281573
	20	1	R413	77696075782	9310357281580
	24	1	R413	77696075783	9310357281597
	30	1	R413	77696075784	9310357281702
	40	1	R413	77696075785	9310357281719

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 305mm x 25m	16	1	R413	66623375602	9310357280408
	20	1	R413	66623375603	9310357280415
	24	1	R413	66623375604	9310357280422
	30	1	R413	66623375605	9310357280439
	40	1	R413	66623375606	9310357280446

### SANDING ROLLS H425

BETTER ++++





#### FEATURES

- Strong E-weight paper
- Silicon carbide abrasive

#### BENEFITS

- Ideal for floor sanding
- Good tear resistance
- High cut rate

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 200mm x 50m	40	1	H425	66623320779	9310357201519
	60	1	H425	66623320777	9310357201526
	80	1	H425	66623320780	9310357201533
	100	1	H425	66623320784	9310357201540
	120	1	H425	66623320783	9310357201557
	150	1	H425	66623320765	9310357205012
 250mm x 50m	40	1	H425	66623320842	9310357207627
	60	1	H425	66623320841	9310357205067
	80	1	H425	66623320782	9310357207498
	100	1	H425	66623320852	9310357205005
	120	1	H425	66623320758	9310357207481

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 305mm x 50m	40	1	H425	66623320849	9310357201564
	60	1	H425	66623320848	9310357201571
	80	1	H425	66623320833	9310357201588
	100	1	H425	66623320834	9310357201595
	120	1	H425	66623320850	9310357201601
	150	1	H425	66623320764	9310357205029

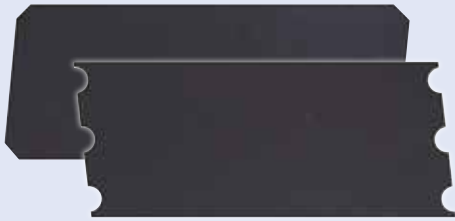




**FLOOR SANDING SHEETS**

**DURITE SHEETS H425/S411**

BETTER ++++



**FEATURES**

- Silicon carbide abrasive
- Strong E-weight paper backing


**BENEFITS**

- Self sharpening and long lasting
- High cut rate
- For dry applications only

**SILVERLINE SHEETS**

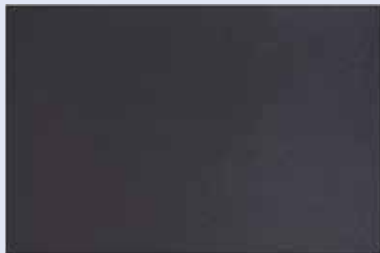
DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 204mm x 514mm	24	25	S411	66623320335	9310357247722
	40	25	H425	66623320289	9310357216605
	60	25	H425	66623320290	9310357216612
	80	25	H425	66623320291	9310357216629
	100	25	H425	66623320292	9310357216636
	120	25	H425	66623320293	9310357216643

**CLARKE SHEETS - NOTCHED ENDS**

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 205mm x 475mm	24	25	S411	66623320334	9310357247692
	40	25	H425	66623320238	9310357212843
	60	25	H425	66623320243	9310357212829
	80	25	H425	66623320237	9310357212850
	100	25	H425	66623320244	9310357212867
	120	25	H425	66623320245	9310357212874

**DOUBLE SIDED DURITE SHEETS H425/S411**

BETTER ++++




**FEATURES**

- Strong E-weight paper
- Silicon carbide abrasive
- Double sided

**BENEFITS**

- Ideal for parquetry sanding
- Good tear resistance
- High cut rate
- Can be used both sides
- Longer life

DIM W x L (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 300mm x 450mm	24	25	S411	66623320346	9310357260875
	40	25	H425	66623320347	9310357260882
	60	25	H425	66623320348	9310357260899
	80	25	H425	66623320349	9310357260905
	100	25	H425	66623320350	9310357260912
	120	25	H425	66623320351	9310357260929

# DOUBLE-SIDED DISCS FOR FLOOR SANDING

Norton offers a full range of double-sided discs designed to meet all commonly encountered applications. Double-sided discs have abrasive on both sides.



## APPLICATIONS & MARKETS

- Floor sanding

### FLOOR SANDING DISCS

## DURITE PAPER DOUBLE SIDED DISCS H425

BETTER ++++



### FEATURES

- Extremely sharp silicon carbide abrasive
- Strong E-weight paper

### BENEFITS

- Ideal for use on dry stone surfaces
- High cut rate

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
405mm	60	20	H425	66623320676	9310357260387
	80	20	H425	66623320677	9310357260394

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
405mm	100	20	H425	66623320678	9310357260400
	120	20	H425	66623320679	9310357260417

## DURITE CLOTH BACK FLOORSANDING DISCS R413

BETTER ++++



### FEATURES

- Very strong cloth backing
- Sharp silicon carbide abrasive
- Very open grain distribution

### BENEFITS

- High tear resistance
- Very high cutting action for rough floor sanding applications
- Long life
- Aggressive cut & clog resistant

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
405mm	16	20	R413	66623388658	9310357280095
	20	20	R413	66623388659	9310357280101
	24	20	R413	66623388660	9310357280118

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
405mm	30	20	R413	66623388661	9310357280125
	40	20	R413	66623388663	9310357280132



FLOOR SANDING DISCS

DURITE PAPER BACK FLOORSANDING DISCS H425

BETTER ++++



FEATURES

- Extremely sharp silicon carbide abrasive
- Strong E-weight paper

BENEFITS

- Ideal for use on timber floors and dry stone surfaces
- High cut rate

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
405mm	40	20	H425	66623320453	9310357205821
	60	20	H425	66623320450	9310357205869
	80	20	H425	66623320410	9310357205883

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
405mm	100	20	H425	66623320444	9310357205791
	120	20	H425	66623320442	9310357204814

DURITE SPEED-GRIP FLOORSANDING DISCS H425

BETTER ++++



FEATURES

- Extremely sharp silicon carbide abrasive
- Strong E-weight paper
- Speed-grip

BENEFITS

- Ideal for use on dry stone surfaces
- High cut rate
- Quick and easy disc changes

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
405mm	40	20	H425	66623320615	9310357222064
	60	20	H425	66623320616	9310357222071
	80	20	H425	66623320617	9310357222088

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
405mm	100	20	H425	66623320618	9310357222095
	120	20	H425	66623320619	9310357222101
	150	20	H425	66623320620	9310357222118

# PLAIN DISCS FOR FLOOR SANDING

Norton offers a range of plain sanding discs to suit all the most commonly encountered applications.

## APPLICATIONS & MARKETS

- Preparing primed & painted surfaces
- Stripping primer & paint
- Sanding plastic & fibreglass
- Light weld blending & deburring
- Finishing metal



## FLOOR SANDING DISCS

### RED HEAT SANDING DISCS H955

BEST **+++++** INNOVATION

**REDHEAT**





#### FEATURES

- 100% ceramic alumina grain
- F-weight backing paper

#### BENEFITS

- High performance product
- Super sharp for fast coatings removal and longer cutting life
- More aggressive cut
- High resistance to tearing and ripping

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 178 x 22	24	25	H955	66261055969	662610559691
	36	25	H955	66261040286	662610402867
	40	25	H955	66261055968	662610559684
	60	25	H955	66261040285	662610402850

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 178 x 22	80	25	H955	66261040284	662610402843
	100	25	H955	66261040283	662610402836
	120	25	H955	66261055966	662610559660





**FLOOR SANDING DISCS**

**RESIN CLOTH SANDING DISCS R413**

**BETTER ++++**





**FEATURES**

- High performance silicon carbide
- Semi-open / open coat (depending on grit size)
- Very strong polyester cloth

**BENEFITS**

- Ideal for roughing, sanding of solid wood
- Ideal for floor & furniture applications
- Resists clogging
- High performance
- Excellent surface stripping quality

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 178 x 22	16	10	R413	66623388423	9310357280057
	24	20	R413	66623388654	9310357280064

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 178 x 22	30	20	R413	66623388655	9310357280071
	36	20	R413	66623388657	9310357280088

**DURITE PAPER SANDING DISCS H425**

**BETTER ++++**





**FEATURES**

- Silicon carbide abrasive
- Strong E-weight paper

**BENEFITS**

- High cut rate
- For dry applications only
- Ideal for use on timber and stone surfaces

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 178 x 22	36	100	H425	66623320445	9310357210030
	40	100	H425	66623320407	9310357205838
	60	100	H425	66623320408	9310357205852

DIM DIA x B (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
 178 x 22	80	100	H425	66623320409	9310357205876
	100	100	H425	66623320411	9310357205784
	120	100	H425	66623320443	9310357205807

**PRODUCT SELECTION GUIDE**

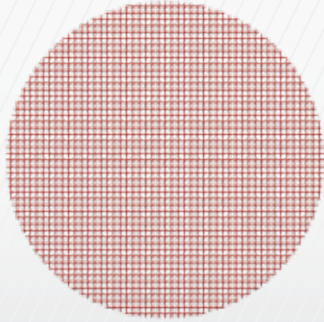
MATERIALS / APPLICATIONS		HIGHLY RECOMMENDED	RECOMMENDED
Wood - floor sanding	Coarse sanding	H955	R413
	Finishing		H425
	Surface preparation		

## SCREENBAK DISCS

### RED HEAT Q955

BEST +++++ INNOVATION

**REDHEAT**



#### FEATURES

- 100% ceramic alumina grain
- Open mesh structure
- Waterproof

#### BENEFITS

- High performance product
- Super sharp for fast intermediate and finishing coatings removal and longer cutting life
- High resistance to tearing and ripping

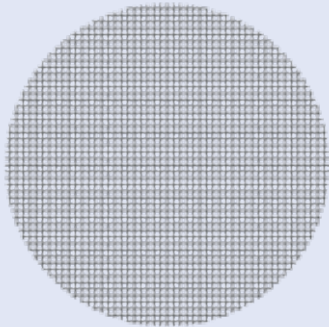
DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
406mm	80	10	Q955	66261026301	662610263017
	100	10	Q955	66261026300	662610263000
	120	10	Q955	66261026299	662610262997

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
406mm	150	10	Q955	66261026297	662610262973
	180	10	Q955	66261071017	662610710177
	220	10	Q955	66261071018	662610710184

### DURITE Q421

BETTER ++++

**NORTON**  
SAINT-GOBAIN



#### FEATURES

- Silicon carbide abrasive on an open mesh backing

#### BENEFITS

- Extreme resistance to loading
- Excellent cut rate
- Long life, waterproof and washable

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
406mm	80	20	Q421	66623320413	9310357206040
	100	20	Q421	66623320414	9310357206033
	120	20	Q421	66623320504	9310357218982
	150	20	Q421	66623320449	9310357207399

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
406mm	180	20	Q421	66623320603	9310357221197
	220	20	Q421	66623320604	9310357221265
	320	20	Q421	66623320605	9310357221272



**FOAM DISCS**

**SANDDOLLAR**

**BEST +++++ INNOVATION**



**FEATURES**

- Aluminium grain bonded to durable foam backing
- Unique, patent pending design
- Waterproof
- Colour coded
- Double sided

**BENEFITS**

- Conforms to uneven surfaces
- Tear resistant
- Finer scratch pattern than screens
- Minimises loading and improves dust extraction
- Can be rinsed and re-used
- Easy grit identification
- Long life

DIM DIA [MM]	GRADE	PACK QTY	PRODUCT CODE	BARCODE
405mm	Coarse	4	66261194109	662611941099
	Medium	4	66261194114	662611941143

DIM DIA [MM]	GRADE	PACK QTY	PRODUCT CODE	BARCODE
405mm	Fine	4	66261194115	662611941150
	Very Fine	4	66261194117	662611941174

**BEAR-TEX DISCS**

**FLOOR CONDITIONING & MAINTENANCE**

**GOOD +++**



**CONDITIONING PADS**

For abrading between coats of finish, these 6mm thick pads are manufactured with the finest fibres, resins and abrasives, The unique design of these pads have a perforated 180mm disc that is easily removedd for use on an edger machine or simply as a hand pad.

**MAINTENANCE PADS**

These professional maintenance pads have a thicker, open web design for longer life and less loading. The range covers from aggressive stripping through to achieving a consistent finish with mirror gloss shine.

**CONDITIONING PADS**

DIM DIA x B [MM]	APPLICATION	PACK QTY	PRODUCT CODE	BARCODE
406 x NH	Buffing	10 per pk	66261002054	9310357221616
	General Purpose	10 per pk	66261002055	9310357221609

**MAINTENANCE PADS**

DIM DIA x B [MM]	APPLICATION	PACK QTY	PRODUCT CODE	BARCODE
406 x NH	Super Stripper	5 per pk	66261054226	662610542266
	Super Clean	5 per pk	66261054243	662610542433
	Buffer	5 per pk	66261054275	662610542754
	Super Gloss	5 per pk	66261054208	662610542082





129-146

# BEAR-TEX NON-WOVEN PRODUCTS



130 Hand Pads  
133 Rapid Strip Discs

135 Flap Discs  
136 Surface Conditioning

138 Speed-Lok Discs  
142 Convolute Wheels

# BEAR-TEX HAND PADS

Hand pads are ideal for a broad range of applications from cleaning and finishing to deburring and light polishing operations.

The flexibility of Bear-Text products ensures constant contact with the surface and prevents cutting or gauging when working.

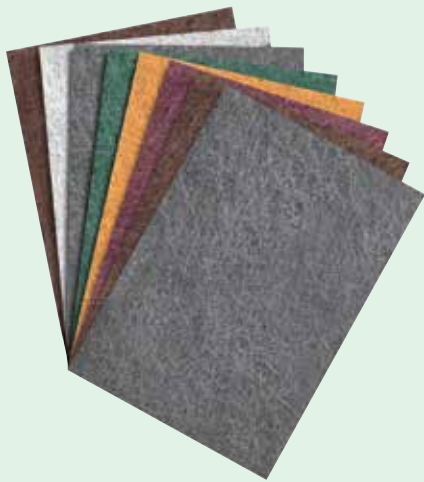


## HAND PADS & ROLLS

### BEAR-TEX HAND PADS

GOOD +++

**BEAR-TEX**



#### 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 115 x150mm pads

DIM W x L [MM]	GRADE	PACK QTY	MAT TYPE	PRODUCT CODE	BARCODE
150 x 230	100-150 Medium	20	740HD Alu Oxide	66261074000	9310357218708
150 x 230	100-150 Medium	20	746 Silicon Carbide	66261074600	9310357218692
150 x 230	240-360 V/Fine	20	777 Alu Oxide	66261077700	9310357218685
150 x 230	240-360 V/Fine	20	747 Alu Oxide	66261074700	9310357218678
150 x 230	240-360 V/Fine	20	796 Alu Oxide	66261079600	9310357218661

DIM W x L [MM]	GRADE	PACK QTY	MAT TYPE	PRODUCT CODE	BARCODE
150 x 230	600 Ultra Fine	20	635 Silicon Carbide	66261063500	9310357218654
150 x 230	1000 Micro Fine	20	748 Silicon Carbide	66261074800	9310357218647
150 x 230	1000-1200 Micro Fine	20	914 Alu Oxide	66261195914	662611959148
150 x 230	Non - Abrasive	10	456	66261045600	9310357206149



**HAND PADS & ROLLS**

**BEAR-TEX THIN FLEX HAND PADS**

**BEST +++++**

**BEAR-TEX®**



**FEATURES**

- Extremely thin and conformable
- Special coated web design

**BENEFITS**

- Ideal for deburring, cleaning, blending and finishing contoured surfaces
- Easily folded for use in tight spaces
- Superior and constant cutting action with no added effort from user
- Ideal for wood working, metal working, maintenance operations and synthetics fabrication

DIM W x L (MM)	GRADE	PACK QTY	MAT TYPE	PRODUCT CODE	BARCODE
115 X 230	Very Fine	25	747TF Alu Oxide	63642506166	636425061663
	Ultra Fine	25	748TF Silicon Carbide	63642506167	636425061670

**BEAR-TEX HAND ROLLS**

**GOOD +++**

**BEAR-TEX®**



**FEATURES**

- High quality aluminium oxide or silicon carbide grain
- Uniform web construction
- Can be cut to exact sizes needed
- Flexible for hand and machine use
- 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

DIM W x L (MM)	GRADE	PACK QTY	MAT TYPE	PRODUCT CODE	BARCODE
115 mm x 10 m	Very Fine	1	747	66623321812	9310357221586
	Very Fine	1	796	66623321813	9310357221593

DIM W x L (MM)	GRADE	PACK QTY	MAT TYPE	PRODUCT CODE	BARCODE
115 mm x 10 m	Micro Fine	1	748	66623321810	9310357210573
	Non Abrasive	1	456	66623321811	9310357221579

## HAND PADS & ROLLS

### BEAR-TEX THIN FLEX ROLLS

BEST +++++

**BEAR-TEX**<sup>®</sup>



#### FEATURES

- Extremely thin and comfortable
- Special coated web design
- Perforated

#### BENEFITS

- Ideal for deburring, cleaning, blending and finishing contoured surfaces
- Easily folded for use in tight spaces
- Superior and constant cutting action with no added effort from user
- Ideal for wood working, metal working, maintenance operations and synthetics fabrication
- Easy to tear, ready to use

DIM W x L [MM]	GRADE	PACK QTY	MAT TYPE	PRODUCT CODE	BARCODE
115 x 10m	Very Fine	1	747TF Alu Oxide	77696042073	3157629543986
	Ultra Fine	1	748TF Silicon Carbide	77696042075	3157629543993

### HAND PAD HOLDER

#### ACCESSORIES



**Norton Hand Pad Holder** is ideal for cleaning, scouring and finishing large flat areas. Simply attach a hand pad trimmed to half size and the hooks will grip with a slight twisting motion for faster, easier cleaning. Compatible with all grades of hand pads from 746 and finer, not recommended with 740HD or Thin Flex range.

APPLICATIONS	PART NO.	PK QTY	BARCODE
Use with Bear-Tex hand pads	66261047583	1	662610475830

### SCUFF GEL

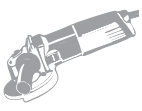
#### ACCESSORIES



**Norton Scuff Gel** is formulated to clean, degrease and abrade in one step. Designed for use with grey and gold Bear-Tex pads, Scuff Gel enables consistent abrasion for better paint adhesion. The water based formula rinses easily and leaves no mess.

APPLICATIONS	PART NO.	PK QTY	WEIGHT
Use with grey and gold Bear-Tex	07660705376	6 bottles	700 grams

Rinses off easily and completely. Water-based formula, very low in V.O.C (Volatile Organic Compounds)



**RAPID STRIP & RAPID BLEND**

**BLAZE RAPID STRIP DISCS R9101**

**BEST +++++ INNOVATION**



**FEATURES**

- Heavy coating of Norton SG Blaze ceramic alumina long-lasting grain and advanced resin bond
- Open structure

**BENEFITS**

- Lasts 2x longer than competitive products
- Does not shed on rust-encrusted pieces, or load on soft metals
- Lighter pressure will finish similar to a medium grit surface conditioning disc; additional pressure will remove material (strip and clean)
- Less downtime, and less production waste/landfill

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	Coarse	10	R9101	63642509505	636425095057
115 x 22	Coarse	10	R9101	66623303783	3157629408872

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	Coarse	10	R9101	66623303916	3157629408896
180 x 22	Coarse	10	R9101	66623303920	3157629408902

**RAPID STRIP DISCS R4101**

**GOOD +++**



**FEATURES**

- Open web construction
- Conformable
- Thick, strong, synthetic fibres & extra coarse grit

**BENEFITS**

- Fast cutting action with very little loading
- Easy cleaning of uneven surfaces
- Long life

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 16	Coarse	5	R4101	66261030651	662610306516
115 x 22	Coarse	5	R4101	66261009649	662610096493

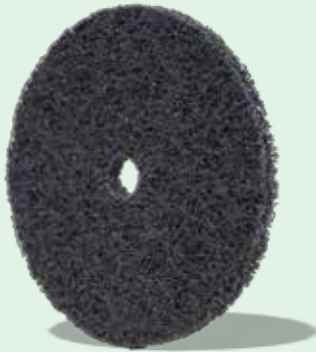
DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	Coarse	5	R4101	66261030655	662610306554
180 x 22	Coarse	5	R4101	66261009586	662610095861

## RAPID STRIP & RAPID BLEND

### RAPID STRIP DISCS R4101

GOOD +++

**Rapid**  
STRIP™



#### FEATURES

- Open web construction
- Conformable
- Thick, strong, synthetic fibres & extra coarse grit
- Used with portable tools

#### BENEFITS

- Fast cutting action with very little loading
- Easy cleaning of uneven surfaces
- Quick cleaning & conditioning of surfaces
- Easy & safe to use especially in difficult to reach areas

DIM DIA x B [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 6	Coarse	5	R4101	66261016412	9310357227830
180 x 22	Coarse	5	R4101	66261010021	9310357227847

### VORTEX RAPID BLEND DISCS

BETTER ++++

**VORTEX**  
RAPID BLEND



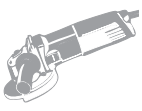
#### FEATURES

- High performance engineered grain
- Thick nylon web
- No need to change power tools
- Undersized backing plate

#### BENEFITS

- Aggressive, fast stock removal, reduced cycle times and increased part quality
- Longer life and more parts per disc
- Resists loading
- Can be used in place of, or in sequence with, fibre and flap discs for improved part quality
- Ideal for TIG weld removal
- Longer useable diameter

DIM DIA x H [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
115 x 22	5AM	10	U2305	66254429268	3157629326224
125 x 22	5AM	10	U2305	66254496323	3157629422175



**RAPID STRIP & RAPID BLEND**

**NEX RAPID BLEND DISCS**

**GOOD +++**



**FEATURES**

- Fine silicon carbide & flexible two density unitised construction
- Solution for finishing ferrous and non-ferrous materials
- Modified resin system
- Undersized backing plate

**BENEFITS**

- Excellent for fine consistent satin finish
- Ideal for blending and finishing
- Longer life and more parts per disc, resists loading
- Cuts more freely and with less heat than competitor products
- Longer useable diameter

DIM DIA x H (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
115 x 22	FINE	10	U4401	66261020546	3157629185223
125 x 22	FINE	10	U4401	66254496320	3157629422168

**BEAR-TEX RAPID BLEND FLAP DISCS**

**GOOD +++**



**FEATURES**

- Layered flaps of surface conditioning material
- Compliments flap and fibre discs in the blending and finishing process

**BENEFITS**

- Quick durable blending and finishing of uneven surfaces
- Ideal for cleaning and light de-burring work of TIG-weld seams on stainless steel

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	Coarse	5	S2208	66623321829	9310357267355
125 x 22	Medium	5	S2308	66623321830	9310357267362

DIM DIA x B (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
125 x 22	Very Fine	5	S2508	66623321831	9310357267379

SURFACE CONDITIONING BELTS

GOOD +++



FEATURES

- Durable fibre construction
- Very sharp abrasive grain
- Flexible 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 backstand finishers
- Reduced risk of workpiece damage

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50 x 914	Coarse	2	S2238	66623321816	9310357258490
	Medium	2	S2338	66623321817	9310357258506
	Very Fine	2	S2538	66623321818	9310357258513
50 x 1220	Coarse	2	S2238	66623321819	9310357258520
	Medium	2	S2338	66623321820	9310357258537
	Very Fine	2	S2538	66623321821	9310357258544

DIM DIA x W (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
90 x 400	Coarse	2	S2238	66623321822	9310357258551
	Medium	2	S2338	66623321823	9310357258568
	Very Fine	2	S2538	66623321824	9310357258575
100 x 914	Coarse	2	S2238	66623321825	9310357258582
	Medium	2	S2338	66623321826	9310357258599
	Very Fine	2	S2538	66623321827	9310357258605

PRODUCT SELECTION GUIDE

WHICH GRADE SHOULD I CHOOSE?	
GRADE	FEATURES & BENEFITS
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

MATERIALS / APPLICATIONS	DEBURRING	CLEANING	BLEND/FINISH
All metal	Coarse	Medium	Very Fine





**RAPID PREP**

**SURFACE CONDITIONING DISCS**

**GOOD +++**



**FEATURES**

- Open structure
- High abraive content
- Controlled cut & comfortable to use
- Flexible backing
- General purpose
- Remove and attach quickly (use with Bear-TEX backing pads)

**BENEFITS**

- Resists loading on softer materials
- Fast initial cut
- Consistent finish
- Conforms to surface contours
- Very versatile
- Ideal for sequential finishing using consecutively finer grades

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100mm	Coarse	10	S2208	66254441834	9310357218760
	Medium	10	S2308	66254441841	9310357218777
	Very Fine	10	S2508	66254441849	9310357218865
115mm	Coarse	10	S2208	66254441836	9310357218827
	Medium	10	S2308	66254441842	9310357218841
	Very Fine	10	S2508	66254441850	9310357218872

DIM DIA (MM)	GRIT	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
127mm	Coarse	10	S2208	66254441838	9310357218834
	Medium	10	S2308	66254441844	9310357218858
	Very Fine	10	S2508	66254441848	9310357218889
178mm	Coarse	10	S2208	66254441840	9310357218784
	Medium	10	S2308	66254441846	9310357210511
	Very Fine	10	S2508	66254441852	9310357210719

**SURFACE CONDITIONING BACK-UP PADS**

**ACCESSORIES**



Surface conditioning back-up pads are specifically designed with longer hooks to enable extra adhesion to the material.

DIA (MM)	THREAD	PK QTY	PRODUCT CODE	BARCODE
100	M10 - 1.5	1	66623321808	9310357222255
115	M14 - 2.0	1	66623321815	9310357256755
125	M14 - 2.0	1	66623321828	9310357258902
178	M14 - 2.0	1	66623321807	9310357210443



BLAZE RAPID STRIP R9101

BEST +++++ INNOVATION



FEATURES

- Heavy coating of Norton SG Blaze ceramic alumina long-lasting grain and advanced resin bond
- Extremely versatile; use one disc for multiple operations
- Open structure

BENEFITS

- Lasts 2x longer than competitive products
- Does not shed on rust-encrusted pieces or load on soft metals
- Lighter pressure will finish similar to a medium grit surface conditioning disc; additional pressure will remove material (strip and clean)
- Less downtime and less production waste/landfill

DIM DIA [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	Coarse	25	R9101	66623303912	3157629408889
75	Coarse	25	R9101	66261096557	3157629408858

DIM DIA [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100	Coarse	5	R9101	66623303921*	3157629408919

\*Use with TR+ holder

RAPID STRIP SPEED-LOK DISCS R4101

GOOD +++



FEATURES

- Open web construction
- Conformable
- Thick, strong, synthetic fibres & extra coarse grit

BENEFITS

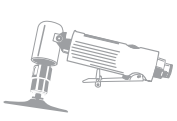
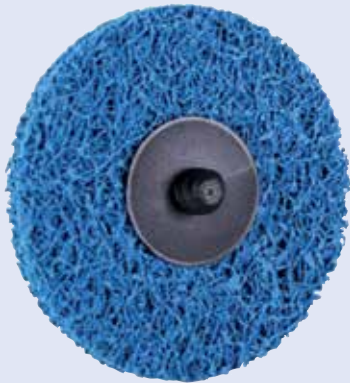
- Fast cutting & long lasting
- Follow difficult part profiles
- Easy cleaning of uneven surfaces
- Quick cleaning & conditioning of surfaces with aggressive corrosion removal

DIM DIA [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	Coarse	1	R4101	66261011782	662610117822
50	Coarse	1	R4101	66261011781	662610117815

\*10 discs per pack

DIM DIA [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
100 x 13 x 6	Coarse	10	R4101	07660701217*	0076607012173
100 x 25 x 6	Coarse	5	R4101	07660705466*	0076607012203

\*Rapid strip on a spindle  
Shelf ready display

**TR ATTACHMENT (TYPE III - SL3)****VORTEX RAPID BLEND OPEN STRUCTURE****BETTER ++++****VORTEX**  
RAPID BLEND**FEATURES**

- Advanced grain technology
- Longer life (5 to 8 times of competitors)
- Blend in 3D
- Open web structure

**BENEFITS**

- Controlled cut rate with consistent finish
- Less disc changes and downtime, improved costs
- Face, edge and backside of the disc can be used, operator friendly and no smearing!
- Avoid premature loading - especially good on soft materials e.g. aluminium, brass etc.

DIM DIA x H [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	MEDIUM	25	U2311	66254497067	662544970678
75	MEDIUM	25	U2311	66254497068	662544970685

**VORTEX RAPID BLEND CLOSED STRUCTURE****BETTER ++++****VORTEX**  
RAPID BLEND**FEATURES**

- High performance engineered grain and improved resin bond system
- Thick nylon web
- New curing process and bond technology
- Excellent form holding

**BENEFITS**

- Fast stock removal, reduced cycle time, increased part quality
- Consistent performance, improved part quality, no chemical odour or smearing
- Will not break down under heavy deburring conditions
- Use on a variety of shapes & contours

DIM DIA x H [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	5AM	40	U2305	66254413661	662544136616



## NEX RAPID BLEND

BETTER ++++



### FEATURES

- Unitised design
- Easily preformed
- Holds shape well
- Clean bond resin technology

### BENEFITS

- Excellent for light deburring of flashing and threads, blending alloys, polishing and finishing
- Use on a wide variety of contours
- No undercutting or gouging the work piece
- Optimum combination of cut life and finish with a smear free finish

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	6AM	40	U2301	66261014912	662610149120



## NON WOVEN FAMILIES

Reshaping your world.



### APPLICATIONS

Manual and machine blending & finishing

### PRODUCT RANGE

Flat stock: hand pads, rolls, flap wheels, floor pads



### APPLICATIONS

Coarse grits, open structure for rust removal, paint & defects

### PRODUCT RANGE

Wheels, discs, slabs



### APPLICATIONS

Blending and de-burring surfaces

### PRODUCT RANGE

Unitised discs and wheels



### APPLICATIONS

Blending, de-burring and finishing surfaces

### PRODUCT RANGE

Discs, belts (SCM)



### APPLICATIONS

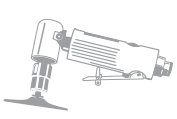
De-burring, providing a final finish

### PRODUCT RANGE

Convolute wheels



VIDEO LINK



TR ATTACHMENT (TYPE III - SL3)



SURFACE CONDITIONING SPEED-LOK DISCS

GOOD +++



FEATURES

- Open structure
- High abrasive content
- Flexible backing
- General purpose

BENEFITS

- Resists loading on softer materials
- Fast initial cut rate
- Conforms to surface contours
- Very versatile

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	Coarse	50	S2228	66261004437	9310357218838
50	Medium	50	S2328	66254444642	9310357218821
50	Very Fine	50	S2528	66254444637	9310357218814

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	Coarse	25	S2228	66254444633	9310357215615
75	Medium	25	S2328	66254444643	9310357215622
75	Very Fine	25	S2528	66254444638	9310357215639

SURFACE CONDITIONING SPEED-LOK DISCS

GOOD +++



FEATURES

- Open structure
- High abrasive content
- Flexible backing
- General purpose

BENEFITS

- Resists loading on softer materials
- Fast initial cut rate
- Conforms to surface contours
- Very versatile

DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
50	Coarse	50	S2228	66254444630	9310357260561
50	Medium	50	S2328	66254444639	9310357260578
50	Very Fine	50	S2528	66254444634	9310357260585

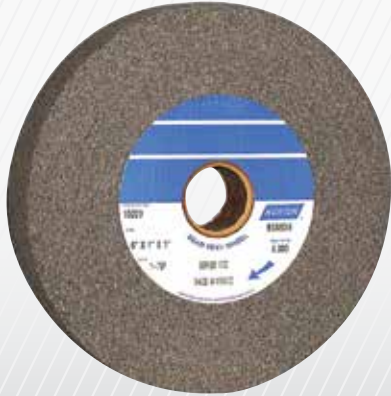
DIM DIA x H (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
75	Coarse	25	S2228	66254444631	9310357260608
75	Medium	25	S2328	66254444640	9310357260615
75	Very Fine	25	S2528	66254444636	9310357260622

## CONVOLUTE WHEELS

### HEAVY DE BURRING SERIES 4000

BEST +++++

**Rapid**  
FINISH™



#### FEATURES

- Advanced resin bond system
- High quality synthetic web

#### BENEFITS

- Free cutting
- Use both wet and dry
- Long life for heavy deburring, edge breaking and removing parting lines on exotic metals

DIM D x W (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150 x 25 x 25.4mm	9SF	3	C4406	66261004141	662610041417
200 x 25 x 76.2mm	8SF	1	C4406	66261004123	662610041233

### GENERAL PURPOSE REPLACES S1000LL

BEST +++++

**Rapid**  
FINISH™



#### FEATURES

- Clean bond resin technology
- New grain/bond configuration
- Advanced fibre and high temperature resin bond
- Wheel colour coded to match primary use; maroon - general purpose
- Colour coded fibreglass core; black - silicon carbide, white - aluminium oxide
- Use wet or dry

#### BENEFITS

- Eliminates smearing or loading on a wide range of workpieces
- Increases throughput with 30% faster finishing
- Good for blending, rust removal and applying decorative contrast finishes
- Reduced wheel changes with up to 30% longer life
- Easy wheel selection
- Easy identification of abrasive to match application

DIM D x W (MM)	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE	SL1000LL CODE
150 x 25 x 25.4 mm	7SF	3	C4415	66261119988	662611199889	66261055223
150 x 25 x 25.4 mm	8SF	3	C4415	63642577269	636425772699	66261055249
150 x 25 x 25.4 mm	9SF	3	C4415	63642581587	636425815877	66261055273
200 x 25 x 76.2 mm	7SF	3	C4415	66261108065	662611080651	66261018639
200 x 50 x 76.2 mm	6SF	2	C4415	66261148639	662611486392	66261058718
200 x 50 x 76.2 mm	8SF	2	C4415	66261114483	662611144834	66261055258
305 x 50 x 127.0 mm	7SF	1	C4415	66261114482	662611144827	66261055240
305 x 100 x 127.0 mm	7SF	1	C4415	66261158535	662611585354	66261002485

Series 1000LL wheels will be replaced with General Purpose wheels as stock is replenished. Refer to table at left for cross reference information.



**CONVOLUTE WHEELS**

**METAL FINISHING**

**BEST +++++**



**FEATURES**

- Strongest resin binders
- Dense, very durable web
- Premium, medium grit aluminium oxide grain
- Uniform grain dispersion & coating
- Available in 5 and 6\* densities

**BENEFITS**

- Resilient long life construction
- Can be used for blending and light deburring applications
- Generates uniform distinct satin & antique finishes
- Cleans & conditions without gouging or changing dimensions of workpiece
- Ideal for blending and matching #3 and #4 mil finishes and surface prep for buffing, polishing and applying decorative finishes

DIM D x W [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150 x 25 x 25.4 mm	5AM	3	C2303	66261007936	662610079366
150 x 50 x 25.4 mm	5AM	2	C2303	66261007957	662610079571

DIM D x W [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
200 x 50 x 76.2 mm	5AM	2	C2303	66261007904	3157626253994

\* Density 6 wheels order on request

**NON-WOVEN WHEEL MARKING SYSTEM**

ABRASIVE	S (SILICON CARBIDE)			A (ALUMINUM OXIDE)
	← SHARPER, FINER/BRIGHTER SCRATCH PATTERN		→ MORE DURABLE, LONGER LASTING, POLISHED FINISH	
GRIT SIZE	XC (EXTRA COARSE)	C (COARSE)	M (MEDIUM)	F (FINE)
	← FASTER, AGGRESSIVE CUT, ROUGHER FINISH		→ REDUCED CUT RATE, FINER FINISH	
DENSITY	2			9
	← SOFT, OPEN, CONFORMABLE, LESS BURNING/LOADING		→ HARDER, MORE DURABLE, FASTER CUTTING, BETTER FINISH	



**SURFACE FINISH VARIABLES**

Changes in any one of many factors can affect the surface finish on the workpiece. This chart shows the effect on surface finish by changes in single factors of product specifications. Arrows have been used to signify the trend direction. The arrow length does not signify that the effect of each factor is equal.

Variable Factor	Rough Finish High Ra Reading	Smooth Surface Lower Ra Reading
1. Wheel Speed	Slow ←	→ Fast
2. Feed Speed	Faster (Long Scratch) ←	→ Slower (Short Scratch)
3. Oscillation	No Oscillation ←	→ Oscillation
4. Lubricants	Dry ←	→ Straight Oil
	← Water ←	→ Soluble Oil ←
		← Compounds →

## CONVOLUTE WHEELS

### SURFACE FINISHING

BEST **+++++**

**Rapid**  
FINISH™



#### FEATURES

- Stronger web compared to clean/finish wheels
- Uniform finish with moderate pressure

#### BENEFITS

- More aggressive cutting action & more durability than clean/finish wheels
- Ideal for rust & paint removal, coarse decorative finishes & blending

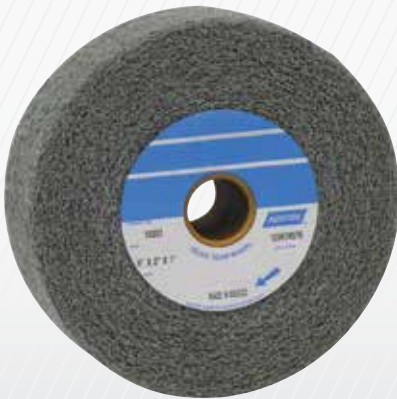
DIM D x W [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150 x 25 x 25.4 mm	SC	4	C4202	66261016208	9310357254249
150 x 50 x 25.4 mm	SM	4	C4302	66261016210	9310357249863

DIM D x W [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150 x 50 x 25.4 mm	SM	2	C4302	66261015441	9310357249894

### CLEAN & FINISH

BEST **+++++**

**Rapid**  
FINISH™



#### FEATURES

- Silicon carbide grain
- Open mesh construction

#### BENEFITS

- Good for blending, rust removal, applying decorative contrast finishes and low to moderate speed applications
- Used with light to moderate pressure, low speed
- Not used for deburring

DIM D x W [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150 x 25 x 25.4 mm	SM	4	C4301	66261058507	9310357210122
150 x 50 x 25.4 mm	SM	2	C4301	66261058510	9310357208815

DIM D x W [MM]	GRADE	PACK QTY	CAP CODE	PRODUCT CODE	BARCODE
150 x 50 x 25.4 mm	SF	2	C4401	66261058509	9310357208822
200 x 50 x 76.2 mm	SM	2	C4301	66261058521	9310357208846





**REDIBUFF WHEELS**

**BX LIGHT DEBURRING WHEELS**

**GOOD +++**



**FEATURES**

- Designed for metal polishing operations
- Additional material over standard wheels
- Formulated to eliminate smearing and excessive heat build up

**BENEFITS**

- Better suited to finishing flat surfaces where less surface conformability is required
- Increased product life

DIM D x W [MM]	GRADE	PACK QTY	PRODUCT CODE	BARCODE
150 x 25 mm	Medium	1	66623324034	666233240349
150 x 50 mm	Medium	1	66623324033	666233240332

DIM D x W [MM]	GRADE	PACK QTY	PRODUCT CODE	BARCODE
200 x 50 mm	Medium	1	66623324035	666233240356

**SATINISING WHEELS**

**GOOD +++**



**FEATURES**

- Designed for intermediate polishing of manufactured metal products
- All wheels come pre-washed for direct mounting on tapered spindles

**BENEFITS**

- Excellent for blending out the grinding marks of coated abrasives and finishing a workpiece to pre buffing stage
- Product comes in two grades for a variety of hand addressed metal polishing operations

DIM D x W [MM]	GRADE	PACK QTY	PRODUCT CODE	BARCODE
150 x 50 mm	Coarse	1	66623324027	666233240271
200 x 50 mm	Coarse	1	66623324031	666233240318

DIM D x W [MM]	GRADE	PACK QTY	PRODUCT CODE	BARCODE
200 x 50 mm	Medium	1	66623324024	666233240240
150 x 50 mm	Medium	1	66623324028	666233240288
150 x 50 mm	Medium	1	66623324032	666233240325

FLEXIWHEELS

GOOD +++



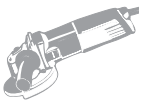
FEATURES

- Rust/oxide or light coating removal, pipe I.D. & O.D. polishing
- Can be used on straight grinders and pedestal grinders with tapered spindle or collets

BENEFITS

- Cleaning and blending of surface imperfections

DIM D x W [MM]	GRADE	PACK QTY	PRODUCT CODE	BARCODE
150 x 5 ply	VFN	1	66623324040	666233240400
150 x 3 ply	VFN	1	66623324042	666233240424



## BACK-UP PADS

Norton offers a varied range of backing pads to sit most machines and their applications.

The backing pad can influence the performance of the abrasive disc significantly depending on the grinding and sanding parameters the application demands.



### FIBRE DISC BACK-UP PADS

### ACCESSORIES



#### Standard back-up pad

A moulded plastic with a smooth face this medium density pad is designed for all-purpose grinding and sanding applications offering mild flexibility for blending of the contoured.

DIA (MM)	THREAD	PK QTY	PRODUCT CODE	BARCODE
100	M10 - 1.5	1	66623320044	9310357706199
115	M14 - 2.0	1	66623320045	9310357706212
125	M14 - 2.0	1	66623320046	9310357706229
178	M14 - 2.0	1	66623320047	9310357706236



#### Turbo back-up pad

With ribbed surface to draw heat away from the grinding zone, produces a more aggressive cutting action whilst reducing disc loading and increasing life of the fibre disc.

DIA (MM)	THREAD	PK QTY	PRODUCT CODE	BARCODE
100	M10 - 1.5	1	66623320033	9310357260356
115	M14 - 2.0	1	66623320034	9310357260363
125	M14 - 2.0	1	66623320048	9310357706250
178	M14 - 2.0	1	66623320049	9310357706243

### SEMI-FLEXIBLE DISC BACK-UP PADS



Zec backing pads are specifically designed for Zec discs to deliver greater support to the abrasive and keep the Zec disc cooler when grinding

DIA (MM)	PK QTY	PRODUCT CODE	BARCODE
100 mm ZEC Disc Support Pad	1	66623320044	9310357706199
115/125 mm ZEC Back-Up Pad	1	66623322079*	9314188002406
180 mm ZEC Disc Support Pad	1	66623322080	9314188083009
180 mm ZEC Back-Up Pad	1	66623322082*	9314188134954

\*Hang sell packaged item

## BACK-UP PADS

### SURFACE CONDITIONING BACK-UP PADS

### ACCESSORIES



Surface conditioning back-up pads are specifically designed with longer hooks to enable extra adhesion to the material.

DIA (MM)	THREAD	PK QTY	PRODUCT CODE	BARCODE
100	M10 - 1.5	1	66623321808	9310357222255
115	M14 - 2.0	1	66623321815	9310357256755
125	M14 - 2.0	1	66623321828	9310357258902
178	M14 - 2.0	1	66623321807	9310357210443

### SPEED-LOK BACKING PADS



#### Speed-lok (type III) backing pads

Roll on/roll off system using a nylon thread button on a pad with spindle. Medium density hardness for blending and grinding applications.

DIA (MM)	SHANK	PK QTY	PRODUCT CODE	BARCODE
51	1/4"	1	66261055103	9310357706151
75	1/4"	1	66261055105	9310357706144
TR+	6mm	1	63642586196	3157625595835



## BACKING PADS & FOAM INTERFACES

Speed-Grip industrial Backing Pads are available in 4 different perforations, 3 densities and a versatile attachment system (M8 & 5/16" + key + 3washers).

To improve the versatility of Norton discs, a complete range of technical interface pads and conversion interfaces are also available.

Stick 'n' Sand Backing Pads are available in two different perforations in various attachment methods.



### NEW BACKING PADS & FOAM INTERFACES

### ACCESSORIES



Packed in a clear individual display box including:

- Safety recommendations
- Product information
- Mounting instructions
- Versatile attachment system & allen wrench

#### FEATURES

- Different densities available in most perforations/dust hol patterns
- New back plate technology
- Attachments for different tools
- Easy-peel technology
- Colour coding of foam layer

#### BENEFITS

- Available for a full range of applications with optimum dust extraction
- Heavy duty design
- Long life
- Adapts to all common orbital sanders
- Longer life of gripping layer
- Easy and quick hardness identification

### MULTI-AIR DISC SPEED-GRIP BACK-UP PADS



The innovative Multi-Air back-up pad design draws dust into the collection chamber allowing optimal airflow and powerful dust extraction.

High performance high productivity and a clean surface and working environment are the outcome of this innovative design.

Packed in individual boxes with Festool and Rupes adaptor, M8 and 5/16" bolts, 1 metal ring and 3 fibre washers.


DESCRIPTION	PK QTY	PRODUCT CODE	BARCODE
150 mm dia Multi Air back-up pad - Medium	1	63642585872	3157624898593
150 mm dia Multi Air back-up pad - Medium	1	63642560605	3157624898609

## BACKING & FOAM INTERFACES

### NORTON PRO SPEED-GRIP BACK-UP PADS

### ACCESSORIES



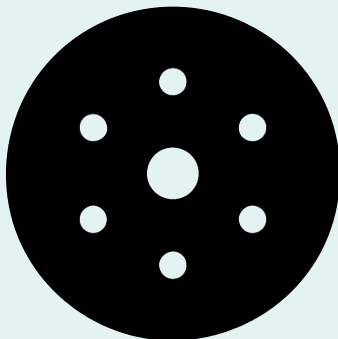
DIM DIA [MM]	HOLES	MOUNTING TYPE	DENSITY	PACK QTY	PRODUCT CODE	BARCODE
76mm	No hole 	5/16"	Medium	1	63642504295	3157627640960
150mm	No hole 	5/16" & M8	Medium	1	66623320037	9310357264125
	6+1 hole 	5/16" & M8	Medium	1	66623320038	9310357264132
	8+1 hole 	5/16" & M8	Medium	1	66623320039	9310357264149
	15 hole 	5/16" & M8	Soft	1	66623338452	3157629421772
	15 hole 	5/16" & M8	Medium	1	66623338450	3157629421758
	15 hole 	5/16" & M8	Hard	1	66623338451	3157629421765
	No hole 	M14	Medium	1	63642567812	3157625337336
	No hole 	5/16"	Medium	1	66623320007	9310357701279
6+1 hole 	5/16"	Medium	1	66623320010	9310357704676	
200mm	8 hole 	M14	Medium	1	66623320011	9310357704683







### NORTON PRO SPEED-GRIP FOAM INTERFACE



DIM DIA [MM]	HOLES	PACK QTY	PRODUCT CODE	BARCODE
76mm	No hole 	1	63642505457	636425054573
150mm	6+1 hole 	5	66623320015	9310357706748
	15 hole 	5	07660719360	3157625499614

### NORTON PRO STICK 'N' SAND BACKING PADS



DIM DIA [MM]	HOLES	MOUNTING TYPE	PACK QTY	PRODUCT CODE	BARCODE
150mm	No hole 	-	1	66623320040	9310357264156
	6+1 hole 	-	1	66623320041	9310357264163
	No hole 	5/16"	1	66623320004	9310357701286
	6 hole 	5/16"	1	66623320014	9310357706755
200mm	No hole 	5/8"	1	66623320003	9310357701293
	No hole 	M14	1	66623320000	9310357701309

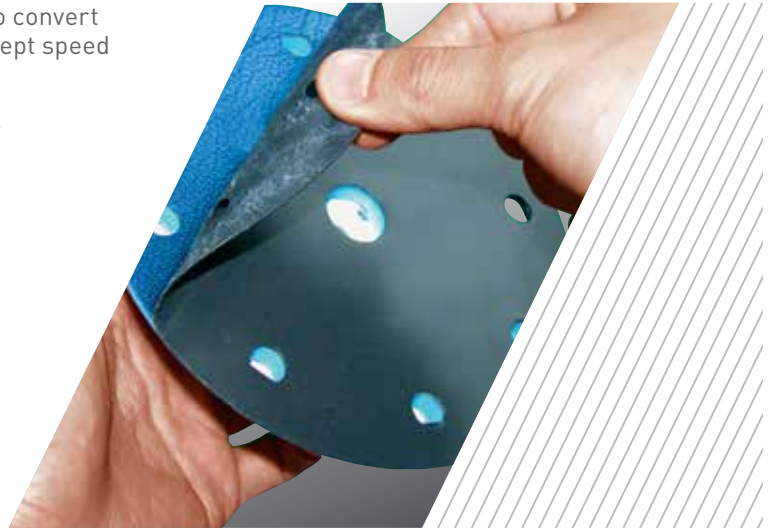
DENSITY	COLOUR	APPLICATION
Hard	BLUE	Heavy duty sanding, best for flattening surfaces or dimensioning.
Medium	BLACK	Scuffing, shaping, sanding and finishing. For use on filler, primer, pain, clear coat, wood, plaster, composites, metal.
Soft	ORANGE	Final sanding, to obtain a perfect finish.



## CONVERTER/REPLACEMENT KITS

Speed Grip Converter/Replacement kits are ideal to convert or repair existing power tools or accessories to accept speed grip discs.

The strong adhesive backing sticks fast to your tool or accessory, while the front face has a speed grip surface on which to place your disc.



### SPEED-GRIP CONVERTER/REPLACEMENT KITS

### ACCESSORIES



DIM DIA [MM]	PACK QTY	PRODUCT CODE	BARCODE
115 x 8H	1	66623322168	9415900001483
125	1	66623320025	9310357255338
125 x 8H	1	66623322170	9415900001452
150	1	66623320018	9310357219767
150 x 6H	1	66623322172	9415900001469
178	1	66623320017	9310357219682
200	1	66623320027	9310357255352
230	1	66623320029	9310357255376
305	1	66623320031	9310357255390
356	1	66623320032	9310357255406

# SANDING BLOCKS FOR HAND SANDING

Norton offers a range of sanding blocks to make most sanding applications easier while improving surface finish. From Multi-Air for clean sanding with secure speed grip sheet attachment, to cork blocks for everyday use.

## COMPATIBLE PRODUCTS

- Multi-Air sheets
- Rolls
- 230 x 280 mm sheets
- Slotted Sheets
- Bear-TEX hand pads



## MULTI-AIR SANDING BLOCKS

## ACCESSORIES



- Multi-Air Sanding Blocks eliminate dust and increase the surface cut area, improving productivity
- The multi-hole perforations in the sanding sheet and block allows sanding particles to be drawn into the sanding chamber and away from the surface for full visual control of the work area.
- For use with a vacuum system and Multi-Air cut sheets.
- Special shaped blocks are available for interchangeable surfaces developed for concave and convex sanding panels.

DESCRIPTION	PK QTY	PRODUCT CODE	BARCODE
A. Multi-Air Sanding Blocks 70 x 125mm	1	69957396645	3157625750326
B. Multi-Air Sanding Blocks 70 x 198mm	1	69957396646	3157625750333
C. Multi-Air Sanding Blocks 70 x 400mm	1	69957396648	3157625750364
D. Multi-Air Sanding Blocks 115 x 230mm	1	69957396644	3157625750319
E. Flexible 4m Vacuum Pipe	1	07660767979	3157625772779
F. Multi-Air Sanding Block Kit (consists of A,B,C,D)	1	69957396649	3157625750371
G. Fits Multi-Air 150mm discs	1	77696024493	3157629537428

## CORK SANDING BLOCK



A rugged cork sanding block that requires no adhesive to fasten the abrasive paper to it. Just simply wrap the abrasive paper around the block and sand. Slide the sandpaper along the block to refresh the abrasive surface. All four sides can be used.

DIM (MM) W x L x H	PK QTY	PRODUCT CODE	BARCODE
99 x 59 x 35	24	66623320006	9310357701200

## RUBBER SANDING BLOCK



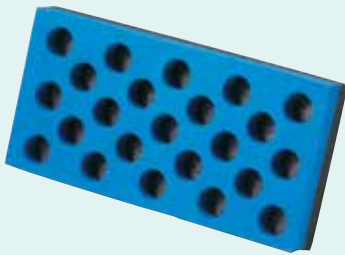
Resilient rubber blocks that conform well to mild contours and flat surfaces

DIM (MM) W x L	PK QTY	PRODUCT CODE	BARCODE
70 x 133	1	07660701889	076607018892





## HOLEY BLOCK



A rugged, semi rigid, multi-purpose sanding block engineered for flat to medium curved surfaces. A tactical hole pattern side provides numerous cutting edges for a 30% faster cut rate. The plain side provides firmness and a comfortable, easy-to hold surface. these blocks come in a "point of sale" display pack.

### ACCESSORIES

DIM (MM) W x L x H	PK QTY	PRODUCT CODE	BARCODE
130 x 65 x 17	8	63642503729	636425037293

## DUAL DENSITY WET SANDING BLOCK



Because of the grabbing power of these blocks, no adhesive required, simply wrap the paper around the block. The dense side is for more aggressive blocking, while the soft side is for colour sanding. These blocks come in a "point of sale" display pack.

DIM (MM) W x L	PK QTY	PRODUCT CODE	BARCODE
130 x 65 x 12	12	63642503728	8711479598524

## HAND SANDER



To suit 108 x 374mm slotted sheets. Ideal for hand sanding large areas and drywall joints

DIM (MM) W x L	PK QTY	PRODUCT CODE	BARCODE
100 x 374	2	66623320005	9310357203933

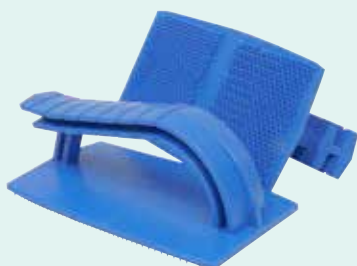
## SPEED FILE



- Lightweight, rugged design for easy sanding of fillers.
- Spring clips mounted at each end securely hold 70 x 460mm speed file strips.

DIM (MM) W x L	PK QTY	PRODUCT CODE	BARCODE
70 x 460	1	66623320002	9310357701316

## HAND PAD HOLDER

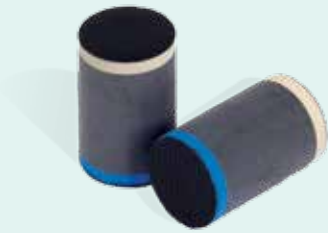


**Norton Hand Pad Holder** is ideal for cleaning, scouring and finishing large flat areas. Simply attach a hand pad trimmed to half size and the hooks will grip with a slight twisting motion for faster, easier cleaning. Compatible with all grades of hand pads from 746 and finer, not recommended with 740HD or Thin Flex range.

APPLICATIONS	PART NO.	PK QTY	BARCODE
Use with Bear-Tex hand pads	66261047583	1	662610475830

## SANDING BLOCK FOR ROSETTE DISC

### ACCESSORIES



Designed to be used by hand for maximum flexibility and versatility, the Norton double-sided sanding block two sides for cutting and for finishing.

DIM (MM) DIA	PK QTY	PRODUCT CODE	BARCODE
38mm	12	63642567819	3157625337367

## BELT ACCESSORIES

## ABRASIVE RESTORER STICK

### ACCESSORIES



Solid rubber designed to remove wood and other non-metallic materials that build up on belts during use. When applied to the face of a running belt, unwanted materials are removed, prolongong belt life up to 10 times.

PK QTY	PRODUCT CODE	BARCODE
1	66623320013	9310357705826

## GRAPHITE SLIP CLOTH

## GRAPHITE SLIP CLOTH

### ACCESSORIES



Low-friction graphite impregnated cloth used to cover hand and machine plattens. the graphite reduces friction and allows the belt to run freely when pressure is applied to the back of abrasive belts during the sanding process.

DIMENSIONS (MM)	PK QTY	PRODUCT CODE	BARCODE
230 x 1000mm	1	66623324407	
150 x 1000mm	1	66623324406	
530 x 1520mm	1	66623320042	9310357266013

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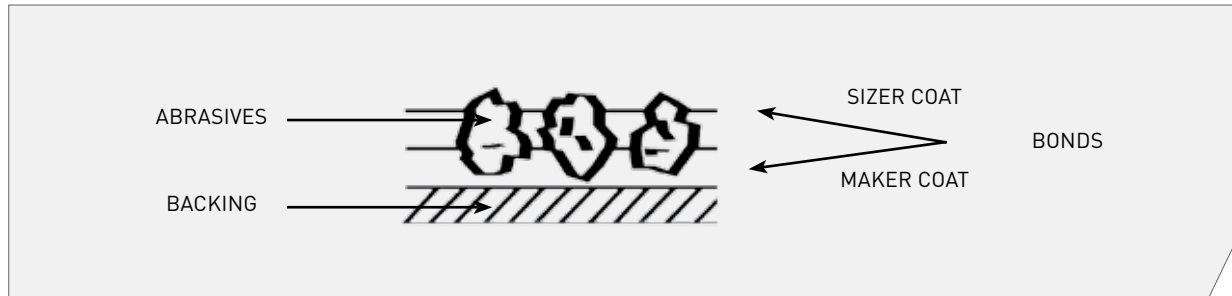
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# COATED ABRASIVES

## TECHNICAL INFORMATION

### WHAT IS A COATED ABRASIVE?

Modern coated abrasives are the product of an extremely technical process developed through many years of research and development. They remain, however, a product composed of three basic elements: a flexible or semi-rigid backing to which abrasive grains are bonded by an adhesive.



### ABRASIVE TYPES

The ideal abrasive grain offers maximum resistance to point wear, yet fractures before serious dulling occurs, thereby satisfying both stock removal and finishing requirements.

#### SYNTHETIC ABRASIVES

- Aluminium oxide is tough and well adapted to grinding high tensile materials, such as carbon steel, alloy steels, tough bronze and hard woods. Wherever toughness (ability to resist fracturing) is the main consideration, aluminium oxide outperforms all other coated abrasive grains
- Silicon carbide is the hardest and sharpest of the minerals used in coated abrasives. Its hardness and sharpness make it the ideal abrasive for sanding non-ferrous metals (aluminium, brass, bronze, magnesium, titanium, etc.), rubber, glass, plastics, fibrous woods, enamel and other relatively soft materials. Silicon carbide is superior to any other abrasive in its ability to penetrate and cut faster under light pressure
- Zirconia alumina has a unique self-sharpening characteristic which gives it long life on rugged stock removal operations. Zirconia alumina is well suited for heavy grinding of metals and planing of wood, because the controlled fracturing of the grain continuously produces sharp, new abrading points
- Ceramic aluminium oxide is a long-lasting, tough, dense abrasive due to its micro structure. The extremely small micron size particles break off during grinding, producing multiple new cutting edges. As it stays sharp, especially when used in medium and high pressure operations, it cuts at a higher rate than other abrasives. Recommended for use on forged and carbon steels, high nickel and cobalt alloys

#### NATURAL ABRASIVES

- Emery is a natural composite of corundum and iron oxide. The particles are blocky in shape and tend to cut slowly, thereby producing a polishing action on the material being abraded. Used for general maintenance and polishing of metals and in very fine grits for highly technical polishing, such as preparing metallurgical specimens requiring very close tolerances. Emery products are black in colour

### ABRASIVE GRAIN DISTRIBUTION

There are two types of abrasive grain coverage on the backing:

- Openly spaced distribution where between 30% and 60% of the backing is covered leaving large spaces between each abrasive grain. It is used in operations where the grinding swarf would otherwise 'load' or clog the surface, reducing cutting efficiency and shortening the coated abrasive life
- Closely packed grain distribution is where the grain completely covers the backing. The greater number of abrading points in a given area leads to faster stock removal. It is recommended where loading is not a problem and where smoother surface finishes are desired

## ABRASIVE GRAIN SIZE

After the crude abrasives have been crushed, the grains are separated (graded) into standard particle sizes using screens carefully made from silk threads of exact size and number per square inch to ensure extreme accuracy. The grit number (mesh number) appearing on the coated abrasive backing represents the number of openings per linear inch in the final screen. Grits 240 and finer, called flours, are graded by hydraulic separators, air classifiers and levigating tanks.

The European standard of grit sizes is the FEPA grading system. All FEPA grit sizes are preceded with the letter 'P', i.e. P180 etc.

In the USA a different grading system called CAMI is used. This chart provides a comparison between FEPA and CAMI grades and also shows average particle sizes in microns and inches.

Additionally, some products produced for the woodworking and floor sanding markets are identified with a 'grit symbol'. Although use of this symbol is infrequent, the backing of these products contain both the mesh number and the grit symbol.

PARTICLE SIZE IN INCHES	PARTICLE SIZE IN MICRON	ALUMINIUM OXIDE, GARNET, SILICON CARBIDE, ZIRCONIA ALUMINA			EMERY		GLASS PAPER
		GRADING SYSTEMS		COMP. GRIT SYMBOL	POLISHING PAPER	CLOTH	
		CAMI	FEPA				
,0000118	0,3	-	-	-	-	-	-
,0000197	0,5	-	-	-	-	-	-
,0000394	1,0	-	-	-	-	-	-
,0000787	2,0	-	-	-	-	-	-
,000118	3,0	-	-	-	-	-	-
,000158	4,0	-	-	-	-	-	-
,000197	5,0	-	-	-	-	-	-
,000236	6,0	-	-	-	-	-	-
,00026	6,5	1200	-	-	-	-	-
,00035	9,0	-	-	-	-	-	-
,00036	9,2	1000	-	-	-	-	-
,00047	12,0	-	-	-	-	-	-
,00048	12,2	800	-	-	4/0	-	-
,00059	15,0	-	-	-	-	-	-
,00060	15,3	-	P1200	-	-	-	-
,00062	16,0	600	-	-	3/0	-	-
,00071	18,3	-	P1000	-	-	-	-
,00077	19,7	500	-	-	2/0	-	-
,00079	20,0	-	-	-	-	-	-
,00085	21,8	-	P800	-	-	-	-
,00092	23,6	400	-	10/0	0	-	-
,00098	25,0	-	-	-	-	-	-
,00100	27,75	-	P600	-	-	-	-
,00112	28,8	360	-	-	-	-	-
,00118	30,0	-	-	-	-	-	-
,00118	30,2	-	P500	-	-	-	-
,00137	35,0	-	P400	-	-	-	-
,00140	36,0	320	-	9/0	-	-	-
,001575	40,0	-	-	-	-	-	-
,00158	40,5	-	P360	-	-	-	-
,00172	44,0	280	-	8/0	1	-	-
,00177	45,0	-	-	-	-	-	-
,00180	46,2	-	P320	-	-	-	-
,00197	50,0	-	-	-	-	-	-

## ABRASIVE GRAIN SIZE

PARTICLE SIZE IN INCHES	PARTICLE SIZE IN MICRON	ALUMINIUM OXIDE, GARNET, SILICON CARBIDE, ZIRCONIA ALUMINA			EMERY		GLASS PAPER
		GRADING SYSTEMS		COMP. GRIT SYMBOL	POLISHING PAPER	CLOTH	
		CAMI	FEPA				
,00204	52,5	-	P280	-	-	-	-
,00209	53,5	240	-	7/0	-	-	-
,00217	55,0	-	-	-	-	-	-
,00228	58,5	-	P240	-	-	-	-
,0023	60,0	-	-	-	-	-	-
,00254	60,5	-	P220	-	-	-	-
,00257	66,0	220	-	6/0	2	-	-
,00304	78,0	180	P180	5/0	3	-	00
,00363	93,0	150	-	4/0	-	Fine	-
,00378	97,0	-	P150	-	-	-	0
,00452	116,0	120	-	3/0	-	-	-
,00495	127,0	-	P120	-	-	-	1
,00550	141,0	100	-	2/0	-	Medium	-
,00608	156,0	-	P100	-	-	-	1½
,00749	192,0	80	-	0	-	-	-
,00768	197,0	-	P80	-	-	-	F2
,01014	260,0	-	P60	-	-	-	M2
,01045	268,0	60	-	1/2	-	Coarse	-
,01271	326,0	-	P50	-	-	-	S2
,01369	351,0	50	-	1	-	-	-
,01601	412,0	-	P40	-	-	-	2½
,01699	428,0	40	-	-1½	-	-	-
,02044	524,0	-	P36	-	-	-	36
,02087	535,0	36	-	2	-	Extra coarse	-
,02426	622,2	-	P30	-	-	-	-
,02488	638,0	30	-	2½	-	-	-
,02789	715,0	24	-	3	-	-	-
,02886	740,0	-	P24	-	-	-	-
,03530	905,0	20	-	3½	-	-	-
,03838	984,0	-	P20	-	-	-	-
,05148	1320,0	16	-	4	-	-	-
,05164	1324,0	-	P16	-	-	-	-
,06880	1764,0	-	P12	-	-	-	-
,07184	1842,0	12	-	4½	-	-	-

## NARROW BELTS & WIDE BELTS

The results achieved when sanding with belts depends on several factors including:

- The machine condition & available horsepower
- The belt speed
- The grinding pressure
- The contact wheel
- The choice of the belt in relation to the shape of the part & material type
- The use of coolant (when machine & belt allows)

### BELT SPEED

The speed of the belt has a direct relationship with its cut rate, as well as the amount of heat generated, the surface finish achieved, and the stress on abrasive grain. Some abrasives like zirconia alumina and ceramic support much higher stresses because they have a better resistance to uncontrolled fracture. Some materials are more sensitive to heat generation. The chart below gives the recommended speed range according to material.

### RECOMMENDED GRINDING BELT SPEED

Heat sensitive materials, plastics, etc.	5-15m/s	Stainless steel, high-speed steel & tool steel	20-30m/s
Sintered metals & carbides	8-15m/s	Grey cast iron & cast steel	30-40m/s
Titanium & similar alloys	8-15m/s	Carbon steel	30-40m/s
Glass, porcelain & special steel	8-15m/s	Brass, copper, zinc, bronze & tin	25-35m/s
Heat-resistant plastics	20-30m/s	Aluminium & light metal	20-35m/s
Wood	15-30m/s	Varnish	10-15m/s

### GRINDING PRESSURE

The amount of grinding pressure depends on:

- The force used
- The size of the contact area between the belt & the workpiece
- The backing on which the belt runs (generally a contact wheel)

Higher pressure increases the cut rate and the amount of heat generated increases the stress on the individual abrasive grain (a minimum stress is necessary to achieve a controlled fracture of the abrasive grain), and generally generates a rougher finish.

**CONTACT WHEELS**

Many machines use contact wheels as a backing for belts. Contact wheels are generally covered with rubber, polyurethane, steel, rubber foam, felt, or compressed canvas, and are classified from soft to hard, with or without serrations. Using a different type of contact wheel has a direct effect on the end results.

- Harder contact wheels provide a higher cut rate, a rougher surface finish & generate a much more uniform surface than softer contact wheels. They are used with stiff belts for a faster cut
- Softer contact wheels provide lower cut rates, a better surface finish & follow the contours of the part. They are generally used for finishing contoured parts or for generating slightly rounded surfaces. They are much less hard wearing on the belt & its joint

The design of the contact wheel will also have an effect on the contact area, which in turn affects grinding pressure.

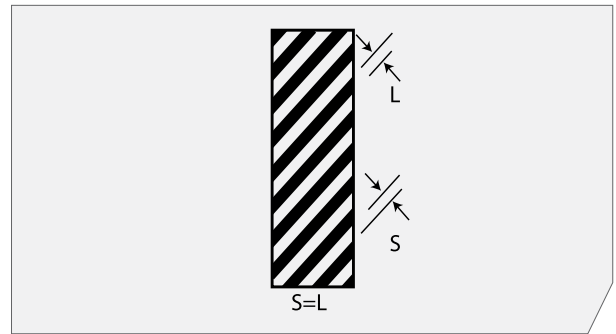
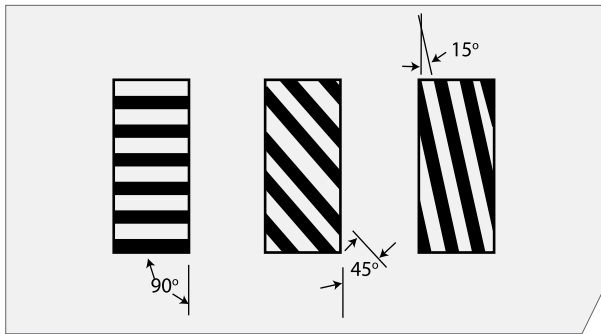
- Contact wheels with a larger diameter act softer & should generally be used on larger surfaces
- Serrated contact wheels act harder but should generally be used on smaller surfaces

**CONTACT WHEEL TYPES**

HARD ←————→ SOFT

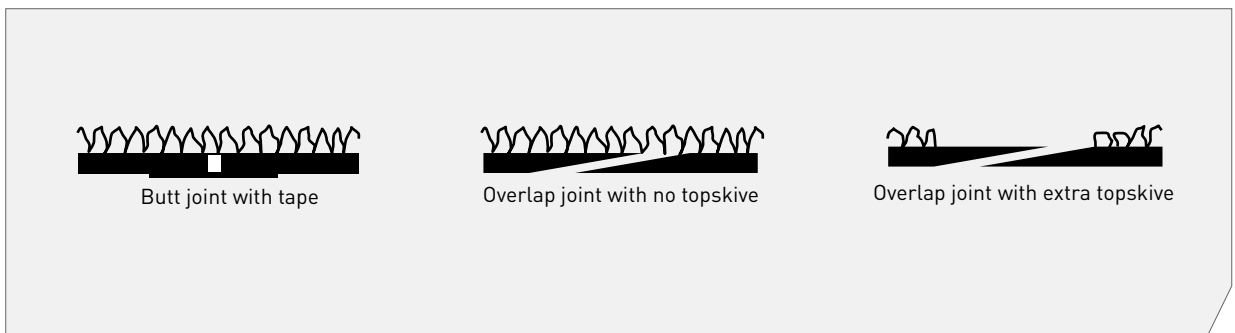
Aggressiveness increases as angle increases

Contact surface decreases as lands decrease giving a more aggressive, harder wheel



**JOINT TYPES**

Belts are made with a standard joint design best adapted to the product and its main application:



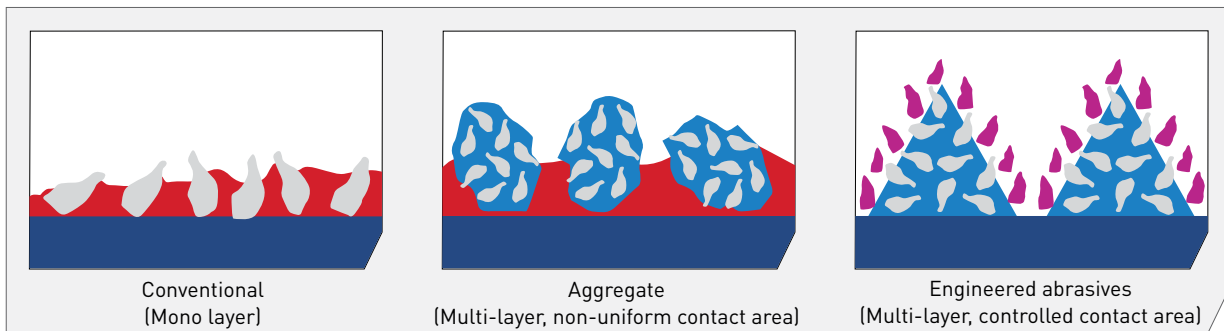


## NORaX AN INNOVATIVE TECHNOLOGY

NORaX is the innovative coated abrasive technology from Norton. The innovation lies in the abrasive layer: a multi-layer coating of abrasive is engineered into a 3D pattern. These patterns give a controlled contact surface between the abrasive and part that optimises belt performance.

NORaX works like a grinding wheel on a cloth backing. As the belt wears, dull abrasive particles are removed from the belt surface to expose a

new layer of sharp abrasives. This continuous replacement of dulled abrasives results in longer life, higher cut rates, and a more consistent surface finish throughout the belt life. Also, contributing to this higher performance, NORaX is also covered with a surface powder grinding aid that increases cut and life while decreasing grinding temperature.



For more information on NORaX please contact your local Sales or Customer Service Representative.

## BACKING TYPES

Whether paper, cloth, vulcanised fibre, a combination or polyester film, the backing must be smooth enough for uniform adhesive coating, strong enough to withstand grinding pressures and flexible enough to conform to contours (if necessary). For reasons of economy, the least expensive backing compatible with the job requirements should be selected.

## PAPER

The standard paper weights used in coated abrasives are indicated by a letter code which appears immediately after the grit size on the finished product backing. Briefly stated, the lighter the backing, the greater the degree of flexibility; the heavier the backing, the greater the resistance to tearing.

### A-weight (70gms)

Light and flexible, A-weight is used primarily for hand finishing operations both wet and dry. Grits 80 and finer.

### C-weight (120gms)

Stronger and less flexible than A-weight. This backing is chosen for hand sanding, dry or wet, and for use on small portable power sanders. Intermediate through fine sanding. Grits 60 through 180.

### D-weight (150gms)

Stronger and less flexible than C-weight. This backing is also chosen for hand sanding and for use on small portable power sanders. Coarse through intermediate sanding. Grits 36 through 80.

### E-weight (220gms)

Stronger and less flexible than D-weight, this backing is used primarily on roll, belt and disc applications where high resistance to tearing is needed.

### F-weight (300gms)

The strongest, least flexible paper backing utilised. Used for crankshaft lapping rolls, tannery industry belts and rolls, and NorZon belts only.

## BACKING TYPES

### CLOTH

Cloth backings are more durable than paper, offer greater resistance to tearing, and tolerate continual bending and flexing during use. Norton use traditional woven cloth in the manufacture of their coated abrasives. The backing has construction and finishing characteristics designed to make it ideally suited to a specific application. The standard cloth weights used in coated abrasives are indicated by a letter code which appears immediately after the grit size on the finished product backing.

#### J-weight

The lightest and most flexible cloth backing, this backing is used where finish and uniformity of the surface are more important than stock removal. Ideal for finishing, blending and where flexibility and conformity are required, such as contour work or curved surfaces.

#### X-weight

Stronger and relatively stiff when compared to J-weight, this backing is used on products designed for coarse grit stock removal applications through fine grit finishing and polishing. Consistent productivity, relatively good finishes and long product life are characteristics of products made on X-weight backings.

#### Y-weight

Stronger and more resistant to longitudinal splitting than regular drills cloth, Y-weight backing is used on products designed for severe applications, such as narrow belt grinding of hand tools and wide belts sanding of lumber and particleboard dimensioning.

### FIBRE

Fibre backings, made of multiple layers of impregnated paper, are very hard and strong, yet provide sufficient flexibility for the intended applications. 0,8mm thick fibre has the greatest strength of any backing used for coated abrasives. This backing is used on resin bonded fibre discs designed for heavy duty portable grinding applications.

### COMBINATION

Combination backing, constructed by laminating light cloth and stiff E-weight paper, is used where resistance to tearing and breaking is a requirement. Primarily utilised on products designed for chipboard/MDF sanding.

### FILM

Polyester is used as the backing media for Norton's range of precision graded microfinishing products. Film backings can be used wet or dry and have excellent resistance to chemical attack, while being tear resistant and durable.

## SPECIAL COATED SURFACE TREATMENT

### NO-FIL TREATMENT

In order to provide even further resistance to loading, some Openkote paper products are given a special surface treatment of zinc stearate after the sizing operation. Such products are ideal for sanding between sealer coats on furniture, sanding after primer coats on automobiles, removing varnish from wood, and numerous other operations where conventional abrasive products fail prematurely due to loading.

Norton's trademark for products utilising this treatment is No-Fil.

## SURFACE FINISH & GRINDING EFFICIENCY VARIABLES

### SURFACE FINISH VARIABLES

Changes in any one of many factors can affect the surface finish generated by a product. The purpose of this chart is to show the effect on surface finish by changes in single factors of product specifications. Arrows have been used to signify the trend direction. The length of the arrows have no significance as the effect of each variable factor will not be the same. The chart is meant to be general in nature and to show direction or trend.

	VARIABLE FACTOR	ROUGH HIGHER RA READING	SMOOTH SURFACE LOWER RA READING
1.	Grit Size	Coarse	Fine
2.	C/A Product Condition	New	Used
3.	Adhesive Bond	Resin	Resin/Glue Glue
4.	Coating Method	Open-Coated	Close-Coated
5.	Product Flex	Single Linear	Double Triple
6.	Contact Wheel Configuration	Serrated	Smooth
7.	Composition	Wider Groove Width Steel	Rubber Wider Width Canvas
8.	Diameter	Smaller	Larger
9.	Belt Speed	Slower	Faster
10.	Grinding Aid	Dry	Water Oil Solubles Straight Oils Grease
11.	Abrasive Mineral Type	Zirconia Alumina	Ceramic Aluminium Oxide Silicon Carbide Emery
12.	Workpiece Hardness	Softer	Harder

## CUTTING EFFICIENCY

Although general in nature, this chart can serve as a useful guide as to what effect a change in a single given factor in the specification will have on the cutting efficiency of coated abrasive products. Arrows have been used to signify the trend direction. The length of arrows has no significance. Some important machine and setup parameters have also been included since they do have significant impact on product performance.

	VARIABLE FACTOR	MORE AGGRESSIVE BETTER CUT	SMOOTH SURFACE LOWER RA READING
1.	Workpiece Feed Speed	Slower ←	Faster →
2.	C/A Belt speed (m/s)	Slower ←	Faster →
3.	Abrasive Product Condition	New ←	Used →
4.	Grit Size	Coarse ←	Fine →
5.	Product Durability	Fibre ←	Cloth →
			Paper →
6.	Abrasive Mineral Type	Zirconia Alumina ←	Ceramic →
			Aluminium Oxide →
			Silicon Carbide →
			Emery →
7.	Adhesive Bond	Resin ←	Resin/Glue →
			Glue →
8.	Coating Method	Close-Coated ←	Open-Coated →
9.	Contact Wheel Configuration	Serrated ←	Smooth →
10.	Composition	Steel ←	Rubber →
			Canvas →
11.	Diameter	Smaller ←	Larger →
12.	Pressure	High ←	Low →
13.	Grinding Aid	Oil ←	Soluble Oil →
			Water →
			Dry →
14.	Workpiece Hardness	Softer ←	Harder →

## SAFETY ADVICE

### SAFETY IN THE STORAGE & USE OF COATED ABRASIVES

#### TRANSPORT & STORAGE

All coated abrasives should be handled carefully. Damage can be caused by mishandling, which should be avoided.

Coated abrasives should be stored in dry, frost free conditions. They should be kept away from heat sources, cold, damp walls, doors or windows and should not be in direct contact with the floor. Temperatures and humidity should be between 18°C and 22°C and 45%-65% relative humidity. Coated abrasives should not be exposed to direct sunlight. Products should be kept in their original packaging until immediately before use. Once unpacked, they should be stored in a way which avoids distortion.

#### PERSONAL PROTECTION

Safety goggles, ear defenders, safety gloves, dust masks and, if conditions are severe, additional face protection. Leather aprons and safety shoes must be worn.

#### GENERAL PRECAUTIONS

Safety instructions provided by the machine manufacturers must be followed. Where fitted, all guards, covers and hoods must be in place on the machine during grinding, and should not be modified in any way. Abrasives should not be used near inflammable material or in an environment where there is a risk of explosion.

Sparks should be directed away from the face and body, if possible towards the floor. Dust extraction equipment must be used whenever it is available. The instructions for use given by the abrasive manufacturer must be followed e.g. 'Not to be used without a support', or 'Not to be used for wet grinding'. The workpiece must be firmly fixed before grinding starts. Check all abrasives visually before use and make certain that the product is suitable for the application. No modifications should be made to abrasive products after delivery.

When using a portable grinder always switch it off and allow the spindle to stop completely before putting the tool down. Wet grinding should only be carried out on machines designed for this purpose and with abrasives designated as suitable for this type of operation.



Mouth Protection



Wear Gloves



Eye Protection



Ear Protection



Read Instructions



Dry



Wet

## TUNGSTEN CARBIDE BURRS

### DOs

✓	DO	Always operate the burr within the recommended speed range
✓	DO	Select the appropriate shape, diameter & cut style for the application
✓	DO	Ensure the appropriate grinder is used & that it is regularly maintained
✓	DO	Fix the maximum length of the burr in the collet (recommended max 10mm overhang)
✓	DO	Check that the burr is running true in the grinder before use
✓	DO	Securely fix workpiece & hold the grinder firmly
✓	DO	Use a smooth cutting action with constant movement in both directions. Use light pressure, letting the burr do the work
✓	DO	For best finish, always end on a reverse stroke

### DON'Ts






✗	DON'T	Run burr above the Maximum Operating Speed
✗	DON'T	Run burr too slowly (refer to recommended speed guide)
✗	DON'T	Allow burr to be exposed to excessive mechanical or thermal shock
✗	DON'T	Sink the burr to more than one-third of its periphery
✗	DON'T	Jam the burr into grooves, crevices & cavities
✗	DON'T	Allow burr to become too hot, causing braze to weaken (applies to burrs where head diameter is greater than shank diameter)
✗	DON'T	Apply shock or excessive force to the product or let it overheat






# BEAR-TEX

## PRODUCT SELECTION - BY MACHINE

### STATIONARY MACHINES

Product selection guide & Starting Points recommendation

MACHINES	PRODUCT	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY	
<b>STRAIGHT SHAFT EQUIPMENT</b>						
Bench Grinder		Convolute Wheels	General Purpose 95F	Clean & Finish	Metal Finishing 5AM	Reduction Bushings
		Flap Wheels	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings
		Lap Mops	n/a	F2520 VF A	F2520 VF A	n/a
Pedestal Grinder		Convolute Wheels	General Purpose 95F	Clean & Finish	Metal Finishing 5AM	Reduction Bushings
		Flap Wheels	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings
<b>BELT EQUIPMENT</b>						
Back Stand		Surface Conditioning Belts	Coarse S2238	Medium S2338	Very Fine S2538	n/a
Stroke Grinder		Surface Conditioning Belts	Coarse S2238	Medium S2338	Very Fine S2538	n/a
Centerless Polisher		Surface Conditioning Belts	Coarse S2238	Medium S2338	Very Fine S2538	n/a

MACHINES		PRODUCT	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY
<b>FEED-THROUGH EQUIPMENT</b>						
Sheet/Coil Processing Machine		Surface Conditioning Belts	Coarse	Medium		n/a
		Flap Wheels	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
		Convolute Wheels	General Purpose 8SF	Clean & Finish	Metal Finishing 5AM	Reduction Bushings
Rotary Disc/ Planetary Disc Machine		Surface Conditioning Discs	Coarse S2208	Medium S2308	Medium S2308	n/a
<b>AUTOMATED EQUIPMENT</b>						
Rotary Machine		Convolute Wheels	General Purpose 8SF	Clean & Finish	Metal Finishing 5AM	Reduction Bushings
		Surface Conditioning Belts	Coarse S2208	Medium S2308	Very Fine S2538	n/a
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings
		Flap Wheels	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
Straight-Line Machine		Convolute Wheels	D18 SF	Clean & Finish	DMA 5AM	Reduction Bushings
		Surface Conditioning Belts	Coarse S2208	Medium S2308	Very Fine S2538	n/a
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings
		Flap Wheels	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
Centerless Polisher		Surface Conditioning Belts	Coarse S2208	Medium S2308	Very Fine S2538	n/a
		Convolute Wheels	General Purpose 8SF	Clean & Finish	Metal Finishing 5AM	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.

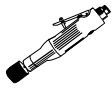

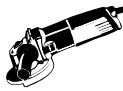



The most dramatic savings come from labour expenses, rather than material costs.



MACHINES	PRODUCT	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY	
<b>AUTOMATED EQUIPMENT</b>						
Robotic Equipment		Surface Conditioning Discs	Coarse S2208	Medium S2308	Medium S2308	n/a
		Convolute Wheels	General Purpose 8SF	Clean & Finish	Metal Finishing 5AM	Reduction Bushings
		Surface Conditioning Belts	Coarse S2208	Medium S2308	Very Fine S2538	n/a
		Flap Wheels	n/a	F2301 Med A	F2501 VF A	Reduction Bushings
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Reduction Bushings

## PORTABLE MACHINES

MACHINES	PRODUCT	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY	
<b>STRAIGHT-SHAFT TOOLS</b>						
Drill		Convolute Wheels	General Purpose 6SF	Clean & Finish	Metal Finishing 5AM	Mandrels
		Flap Wheels (Spindle)	n/a	F2301 Med A	F2501 VF A	n/a
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Mandrels
		RapidStrip Wheels/Discs	Blaze Rapid Strip R9101	R4101 Ex Coa	n/a	Mandrels
		Lap Mops	n/a	F2520 VF A	F2520 VF A	XL Mandrels
Straight-Shaft Grinder		Convolute Wheels	General Purpose 9SF	Clean & Finish	Metal Finishing 5AM	Mandrels
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Mandrels
		RapidStrip Wheels	Blaze Rapid Strip R9101	R4101 Ex Coa	n/a	Mandrels
		Flap Wheels (Spindle)	n/a	F2301 Med A	F2501 VF A	n/a

MACHINES	PRODUCT	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY	
<b>STRAIGHT-SHAFT TOOLS</b>						
Die Grinder		Flap Wheels (Spindle)	n/a	F2301 Med A	F2501 VF A	n/a
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Mandrels
		Lap Mops	n/a	F2520 VF A	F2520 VF A	XL Mandrels
Flexible-Shaft Motor e.g. Suhner, Biax		Convolute Wheels	General Purpose 6SF	Clean & Finish	Metal Finishing 5AM	Mandrels
		Surface Conditioning Belts	Coarse S2238	Medium S2338	Very Fine S2538	n/a
		Unitised Wheels	U2301 8AM	U2401 6AF	U4401 2SF	Mandrels
		RapidStrip Wheels	Blaze Rapid Strip R9101	R4101 Ex Coa	n/a	Mandrels
		Flap Wheels	n/a	F2301 Med A	F2501 VF A	Mandrels
<b>RIGHT ANGLE TOOLS</b>						
Right Angle Grinder/Polisher		Surface Conditioning Discs	Coarse S2238	Medium S2338	Medium S2338	Bear-TEX back up pads
		RapidStrip DPC discs	Blaze Rapid Strip R9101	R4101 Ex Coa	n/a	n/a
		RapidFinish DPC discs	Vortex Rapid Blend U2305 5AM	n/a	NEX Rapid Blend U4401 2SF	n/a
		Speed-lok Discs	Coarse S2238	R4101 S Ex Coa	Medium S2338	Speed-lok Holders
Vertical Grinder		Surface Conditioning Discs	Coarse S2238	Medium S2338	Medium S2338	Bear-TEX back up pads
Right Angle Die Grinder/Mini Grinder		Speed-lok Discs	Coarse S2238	R4101 Ex Coa	Medium S2338	Speed-lok Holders
		Specialised Speed-lok discs	NEX Rapid Blend U2301 6AM	F2303 HS Med A	Vortex Rapid Blend Open Structure U2311	Speed-lok Holders
Satinex machine		Satinex Wheels	F2200 A Coa	R4101 Ex Coa	F2300 Med A	n/a

MACHINES	PRODUCT	DEBURRING	CLEANING	BLENDING & FINISHING	REQUIRED ACCESSORY	
<b>BELT TOOLS</b>						
File		Surface Conditioning File belts	Coarse S2238	Medium S2338	Very Fine S2538	n/a
Portable Belt Sander		Surface Conditioning Belts	Coarse S2238	Medium S2338	Very Fine S2538	n/a
Expander Wheel		Surface Conditioning Belts	Coarse S2238	Medium S2338	Very Fine S2538	n/a
<b>VIBRATING TOOLS</b>						
Orbital Sander		Surface Conditioning Discs	Surface Conditioning Coarse S2238	Surface Conditioning Medium S2338	Surface Conditioning Medium S2338	Bear-Tex back up pads
Straight-Line Sander		Hand Pads	F2316 Extra Cut A (740HD)	F2504 VF A LL (747)	F4601 UF S (635)	n/a
		Rolls	n/a	F2504 VF A LL (747)	F4807 UF S (748)	n/a
<b>HAND PAD / MANUAL SANDING</b>						
Hand Applications		Hand Pads	F2316 Extra Cut A (740HD)	F2504 VF A LL (747)	F4807 UF S (748)	n/a
		Rolls	n/a	F2504 VF A LL (747)	F4807 UF S (748)	n/a
		Sheets	F2316 Extra Cut A (740HD)	F2504 VF A LL (747)	F4807 UF S (748)	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	
General Purpose 1 - 8 SF C4415	General Purpose 1 - 7 SF C4415
or (for extra cut)	
General Purpose 1 - 9 SF C4415	
UNITISED WHEELS	
NEX -6AM (or 8AM) U2301	NEX -2SF U4401
For Ti and Aerospace Alloys, use 6SF U4401	
RIGHT ANGLE DISCS	
Surface Conditioning Discs	Surface Conditioning Discs
Aluminium Oxide 120 Medium	Aluminium Oxide 320 Very Fine
HAND PADS	
F2316 Heavy Duty Extra Cut Tan Pad (740 HD)	F2504 VFA LL Maroon General Purp Pad (747)

### WOOD CONDITIONING

Sanding and Shaping	Finishing and Rubbing
CONVOLUTE WHEELS	
General Purpose 1 - 8 SM C4315	F2802 Micro Fine S Gold Pad (914)

## CLEANING AND FINISHING

Clean / Medium Grain Finishing	Fine Grain Finishing
CONVOLUTE WHEELS	
Surface Finishing Med Wheel C4302	Clean & Finish Fine Wheel C4401
or	or
General Purpose 1 - 6 SM, C4308	General Purpose 1 - 6 SF C4408
UNITISED WHEELS	
NEX -4AF U2401	NEX -2SF U4401
FLAP WHEELS	
Med Grit Aluminium Oxide F2301	Fine Grit Aluminium Oxide F2401
Medium Density Flap Wheel	Medium Density Flap Wheel
HAND PADS	
F2504 VFA LL Maroon General Purp (747)	F2802 Micro Fine S Gold Pad (914)

## HAND PAD APPLICATIONS

Heavy Duty Cleaning & rust removal	Medium Cleaning	Light Cleaning & Finishing
HAND PADS		
F2316 Heavy Duty Extra Cut Pad Tan (740 HD)	F2504 VFA LL General Purpose Pad Maroon (747)	F2802 Mfine S Pad Gold (914)

## 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		
	Grey	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		
	Grey	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	Grey	Super Fine	Silicon Carbide	600	Nylon	
	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 safely 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 and right-angled grinders)
✓	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 local safety directives
✓	DO	Be aware of the hazards likely during the use of abrasives and observe the recommended precautions to be taken: <ul style="list-style-type: none"> <li>• Bodily contact with the abrasive product at operating speed</li> <li>• Injury resulting from product breakage during use</li> <li>• Grinding debris, sparks, fumes and dust generated by the grinding process</li> <li>• Noise</li> <li>• Vibration</li> </ul>

## SAFETY ADVICE - DO'S & DON'TS

For your safety you should ensure that you are fully aware of how to safely use abrasives.

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



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03075	07660703075	7702301118219	1			97
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03078	07660703078	076607030788	1			97
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09586	66261009586	662610095861	1			58, 133
09649	66261009649	662610096493	1			58, 133
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11781	66261011781	662610117815	1			66, 138
11782	66261011782	662610117822	1			66, 138
12097	66254412097	662544120974	1	10662544120971	10	53
12098	66254412098	662544120981	1	10662544120988	10	53
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23591	66261123591	662611235914	1			82
23592	66261123592	662611235921	1			82
23593	66261123593	662611235938	1			82
23596	66261123596	662611235969	1			82
23597	66261123597	662611235976	1			82
23598	66261123598	662611235983	1			82
25332	66254425332	662544253320	1			49
26297	66261026297	662610262973	1			126
26299	66261026299	662610262997	1			126
26300	66261026300	662610263000	1			126
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43130	07660701889	076607018892	1			152
43386	66261043386	662610433861	1			61
43392	66261043392	662610433922	1			61
47583	66261047583	662610475830	1			132
53168	66261053168	662610531680	1	30662610531681	25	49
53170	66261053170	662610531703	1	30662610531704	25	49
54208	66261054208	662610542082	1	30662610542083	5	127
54226	66261054226	662610542266	1	30662610542267	5	127
54243	66261054243	662610542433	1	30662610542434	5	127
54275	66261054275	662610542754	1	30662610542755	5	127
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56744	66623322017	636425567448	1			115
57184	66623322019	636425571841	1			115
57187	66623322020	636425571872	1			115
57189	66623322021	636425571896	1			115
57191	66623322022	636425571919	1			115
62318	66261162318	662611623186	1			61
62320	66261162320	662611623209	1			61
62322	66261162322	662611623223	1			61
62324	66261162324	662611623247	1			61
62328	66261162328	662611623285	1			61
62330	66261162330	662611623308	1			61
62332	66261162332	662611623322	1			61
62334	66261162334	662611623346	1			61
62965	66261062965	662610629653	1			49
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67979	07660767979	3157625772779	1			89, 152
69354	63642569354	636425693543	1			115
71017	66261071017	662610710177	1			126
71018	66261071018	662610710184	1			126
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83488	66261183488	662611834889	1	10662611834886	10	53
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83497	66261183497	662611834971	1	10662611834978	10	53
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90003	66261190003	662611900034	1	10662611900031	10	53
90004	66261190004	662611900041	1	10662611900048	10	53

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
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91255	69957391255	3157625722958	1			82
91256	69957391256	3157625722965	1			82
91257	69957391257	3157625722972	1			82
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94350	69957394350	3157625736009	1			50
94355	69957394355	3157625736016	1			50
94357	69957394357	3157625736023	1			50
94358	69957394358	3157625736039	1			50
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94361	69957394361	3157625736061	1			50
94363	69957394363	3157625736078	1			50
94367	69957394367	3157625736085	1			50
94369	69957394369	3157625736092	1			50
94449	69957394449	3157625736108	1			50
94450	69957394450	3157625736115	1			50
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94452	69957394452	3157625736139	1			50
94453	69957394453	3157625736146	1			50
94454	69957394454	3157625736153	1			50
94455	69957394455	3157625736177	1			50
94456	69957394456	3157625736184	1			50
94457	69957394457	3157625736191	1			50
94459	69957394459	3157625736214	1			50
94460	69957394460	3157625736221	1			50
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94463	69957394463	3157625736252	1			50
94464	69957394464	3157625736269	1			50
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94472	69957394472	3157625736351	1			50
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94485	69957394485	3157625736474	1			50
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96645	69957396645	3157625750326	1			89, 152
96646	69957396646	3157625750333	1			89, 152
96648	69957396648	3157625750364	1			89, 152
96649	69957396649	3157625750371	1			89, 152
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98022	69957398022	699573980224	1	10699573980221	50	104
98023	69957398023	699573980231	1	10699573980238	50	104
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PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE	PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
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492406	66254444597	9310357260660	1			64	9890120	66261039203	9314188396147	1	9314188132950	10	56
492408	66254444594	9310357260677	1			64	9891040	66261039235	9314188396307	1	9314188132943	10	56
492426	66254444605	9310357260684	1			64	9891060	66261039236	9314188396345	1	9314188132936	10	56
492429	66254444606	9310357260691	1			64	9891080	66261039249	9314188396383	1	9314188132929	10	56
492430	66254444607	9310357260707	1			64	9892040	66261039253	9314188396642	1	9314188132912	10	56
492502	66254444600	9310357260721	1			64	9892060	66261039251	9314188396680	1	9314188134053	10	56
492504	66254444601	9310357260738	1			64	9892080	66261039101	9314188396727	1	9314188134060	10	56
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492508	66254444599	9310357260752	1			64	9893040	66261039254	9314188396826	1	9314188132905	10	56
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498406	66254444647	9310357260813	1			63	05539503090		7891345101742	1	7891792085619	50	52
498504	66254444649	9310357260820	1			63	05539503091		7891345101759	1	7891792085626	50	52
549961	07660719360	3157625499614	1			80, 150	05539503092		7891345101766	1	7891792085633	100	52
556183	63642586196	3157625595835	1			148	05539503094		7891345101773	1	7891792085640	100	52
595512	66254444650	9310357265191	1			62	05539503096		7891345101797	1	7891792085657	100	52
595515	66254444651	9310357265207	1			62	07660701217		076607012173	1		66, 138	
595516	66254444652	9310357265214	1			62	07660701889		076607018892	1		152	
595518	66254444653	9310357265221	1			62	07660703074		076607030740	1		97	
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83102M	66623322056	9314188004516	1			57	07660703076		7702301118233	1		97	
83115C	66623322061	9314188004530	1			57	07660703077		076607030771	1		97	
83115M	66623322062	9314188004547	1			57	07660703078		076607030788	1		97	
83125C	66623322067	9314188004561	1			57	07660705376		076607053763	1		132	
83125M	66623322068	9314100884578	1			57	07660705466		076607012203	1	00076607054661	5	66, 138
83180C	66623322073	9314188134947	1			57	07660707415			1		115	
83180M	66623322074	9314188134954	1			57	07660719360		3157625499614	1		80, 150	
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90W230	66623324407		1 m			154	63642503728		8711479598524	1		153	
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6742060	63642539616	3157620306863	1			50	63642504295		3157627640960	1		81, 150	
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6743024	63642539619	3157620306962	1			50	63642505243		9310357282365	1	9310357725718	5	109
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6743120	63642533056	3157620307020	1			50	63642505247		9310357282396	1	9310357725749	5	109
6744036	63642533063	3157620307334	1			50	63642505248		9310357282402	1	9310357725756	5	109
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8310224	66623322059	9314188231066	1	9314188133520		5	63642505254		9310357282464	1	9310357725817	6	109
8310236	66623322060	9314188231103	1	9314188133537		5	63642505255		9310357282471	1	9310357725824	6	109
83102VC	66623322057	9314188004493	1			57	63642505373		9310357282488	1	9310357725831	6	109
8311516	66623322064	9314188231233	1	9314188133544		5	63642505374		9310357282495	1	9310357725848	6	109
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8311536	66623322066	9314188231318	1	9314188133568		5	63642505381		9310357282518	1	9310357725862	6	109
83115VC	66623322063	9314188004523	1			57	63642505382		9310357282525	1	9310357725879	5	109
8312516	66623322070	9314188231400	1	9314188133575		5	63642505383		9310357282532	1	9310357725886	5	109
8312524	66623322071	9314188231448	1	9314188133582		5	63642505384		9310357282549	1	9310357725893	5	109
8312536	66623322072	9314188231486	1	9314188133599		5	63642505385		9310357282556	1	9310357725909	6	109
83125VC	66623322069	9314188004554	1			57	63642505386		9310357282563	1	9310357725916	5	109
8318016	66623322076	9314188231547	1	9314188133605		5	63642505387		9310357282570	1	9310357725923	5	109
8318024	66623322077	9314188231585	1	9314188133612		5	63642505388		9310357282587	1	9310357725930	5	109
8318036	66623322078	9314188231622	1	9314188133629		5	63642505389		9310357282594	1	9310357725947	5	109
83180VC	66623322075	9314188134930	1			57	63642505390		9310357282600	1	9310357725954	4	109
8318115	66623322079	9314188002406	1			57, 147	63642505391		9310357282617	1	9310357725961	3	109
8318140	66623322080	9314188083009	1			57, 147	63642505392		9310357282624	1	9310357725978	5	109
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9800080	63642582377	9314188380092	1	9314188133117		10	63642505402		9310357282679	1	9310357726012	5	109
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9801080	66261039220	9314188380610	1	9314188133063		10	63642505508		9310357282693	1	9310357726036	5	109
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9802040	66261039222	9314188381020	1	9314188133056		10	63642505510		9310357282716	1	9310357726050	3	109
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63642523430	77696007774	776960077740	1	10776960077747	50	74
63642523435	77696007777	776960077771	1	10776960077778	50	74
63642523437	77696007781	776960077818	1	10776960077815	50	74
63642531831		9310357205708	1	9310357716099	25	50
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63642536483		3157620306979	1			50
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63642560566		3157624950826	1	3157624950826	100	76, 76
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63642569354		636425693543	1			115
63642577269		636425772699	3			142
63642580352		3157629630037	1			55
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63642595493		3157629313596	1			61
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63642595577		3157625747555	1			76
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66254429268		3157629326224	1			59, 134
66254436181		662544361810	1			49
66254441834		9310357218760	1			137

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66254441841		9310357218777	1			137
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66254444617		9310357215585	1			63
66254444618		9310357214926	1			63
66254444619		9310357219798	1			63
66254444620		9310357219804	1			63
66254444621		9310357219811	1			63
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66254444647		9310357260813	1			63
66254444648		9310357260837	1			63
66254444649		9310357260820	1			63
66254444650		9310357265191	1			62
66254444651		9310357265207	1			62
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66254496323		3157629422175	1			59, 134
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66254499719		3157629341506	1			103
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66261004141		662610041417	1			3, 142
66261004437		9310357218838	1			69, 141
66261007904		3157626253994	1			2, 143
66261007936		662610079366	1			143
66261007957		662610079571	1			143
66261009586		662610095861	1			58, 133
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66261011782		662610117822	1			66, 138
66261014912		662610149120	1			68, 140
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66261026299		662610262997	1			126
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66261026301		662610263017	1			126
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66261030651		662610306516	1			58, 133
66261030655		662610306554	1			58, 133
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66261032773		3157625953444	1			77
66261032774		3157625953451	1			77
66261032775		3157625953468	1			77
66261034247		3157629315743	1			77
66261034248		3157629421789	1			77
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66261039197		9314188380146	1	9314188133100	10	54
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66261039203		9314188396147	1	9314188132950	10	56
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66261039207		9314188381549	1	9314188133025	10	54
66261039219		9314188380573	1	9314188133087	10	54
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66261039221		9314188380665	1	9314188134015	10	54
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66261055968		662610559684	1			124
66261055969		662610559691	1			124
66261058507		9310357210122	1			144
66261058509		9310357208822	1			144
66261058510		9310357208815	1			144
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66261058718	66261148639	662611486392	1		2	142
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66261074600		9310357218692	1	9310357721611	20	130
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66261085524		662610855243	1			49
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66261123574		9310357221982	1			86
66261123575		9310357221975	1			86
66261123576		9310357221968	1			86
66261123577		9310357221944	1			86
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66623320010		9310357704676	1			150	66623320282		9310357213680	1			96
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66623320731		9310357244776	1	9310357718673	100	84	66623320848		9310357201571	1			120
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66623320733		9310357217206	1	9310357717218	50	84	66623320850		9310357201601	1			120
66623320734		9310357217213	1	9310357717225	50	84	66623320852		9310357205005	1			120
66623320735		9310357217220	1	9310357717232	100	84	66623320853		9310357204206	1 m	9310357710707	25m roll	100
66623320736		9310357217398	1	9310357717409	100	84	66623320854		9310357204176	1 m	9310357710622	25m roll	100
66623320737		9310357217237	1	9310357717249	100	84	66623320855		9310357204183	1 m	9310357710660	25m roll	100
66623320738		9310357217404	1	9310357717416	100	84	66623320856		9310357204152	1 m	9310357710608	25m roll	100
66623320739		9310357218944	1	9310357712114	100	84	66623320857		9310357204190	1 m	9310357710684	25m roll	100
66623320740		9310357217244	1	9310357717256	100	84	66623320858		9310357204169	1 m	9310357710615	25m roll	100
66623320741		9310357217411	1	9310357717423	100	84	66623320869		9310357204657	1			101
66623320742		9310357217428	1	9310357717430	100	84	66623320870		9310357204664	1			101
66623320743		9310357217251	1	9310357717263	100	84	66623320872		9310357212201	1 m	9310357710677	25m roll	100
66623320744		9310357217435	1	9310357717447	100	84	66623320873		9310357212218	1 m	9310357710691	25m roll	100
66623320745		9310357217268	1	9310357717270	100	84	66623320874		9310357212225	1 m	9310357710714	25m roll	100
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66623320748		9310357217459	1	9310357717461	100	84	66623321069		9310357247753	1			92
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66623320751		9310357218937	1	9310357717744	100	84	66623321072		9310357247784	1			92
66623320753		9310357218951	1	9310357717751	100	84	66623321073		9310357247791	1			92
66623320754		9310357201212	1 m	9310357710509	25m roll	99	66623321074		9310357258476	1			92
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PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
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66623321170	66623381834	9310357271918	1	19310357271915	100	107
66623321172	66623381813	9310357271666	1	19310357271663	100	107
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66623321176		9310357212454	1	9310357714149	10	111
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66623321178	66623381835	9310357271963	1	19310357271960	100	107
66623321179	66623381832	9310357271819	1	19310357271816	100	107
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66623321183		9310357208259	1	9310357714392	10	111
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66623321185		9310357208198	1	9310357713876	10	111
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66623321188		9310357202783	1	9310357714064	10	111
66623321189	66623381824	9310357271956	1	19310357271953	100	107
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66623321191	66623381822	9310357271758	1	19310357271755	100	107
66623321192		9310357211778	1	9310357714491	10	111
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66623321202	66623381814	9310357271741	1	19310357271748	100	107
66623321203		9310357208143	1	9310357714637	10	111
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66623321253		9310357212485	1	9310357713333	10	106
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66623321258		9310357210467	1	9310357712626	5	118
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66623321260		9310357214410	1	9310357714712	6	111
66623321266	66623381791	9310357271598	1	19310357271595	100	107
66623321267	66623381812	9310357271611	1	19310357271618	100	107

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
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66623321269	66623381795	9310357271826	1	19310357271823	100	107
66623321270	66623381806	9310357271833	1	19310357271830	100	107
66623321271	66623381816	9310357271840	1	19310357271847	100	107
66623321273	66623381833	9310357271864	1	19310357271861	100	107
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66623321275		9310357212447	1	9310357714644	10	111
66623321276		9310357212812	1	9310357712633	5	118
66623321277		9310357214311	1	9310357712930	10	118
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66623321279		9310357214090	1	9310357712879	10	118
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66623321281		9310357214113	1	9310357712893	10	118
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66623321286		9310357214219	1	9310357712961	10	118
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66623321296		9310357220770	1	9310357715184	10	110
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66623321298		9310357220794	1	9310357712145	10	110
66623321299		9310357220800	1	9310357715214	10	110
66623321300		9310357220824	1	9310357715054	10	110
66623321301		9310357220817	1	9310357715047	10	110
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66623321303		9310357220848	1	9310357715078	10	110
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66623321307		9310357220886	1	9310357715115	10	110
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PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE	PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
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66623321371	66623381827	9310357272014	1	19310357272011	200	113	66623321502		9310357257158	1			70
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66623321374	66623381801	9310357272038	1	19310357272035	100	113	66623321504		9310357257189	1			70
66623321375	66623381811	9310357272045	1	19310357272042	100	113	66623321505		9310357257196	1			70
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66623321380	66623381808	9310357272083	1	19310357272080	100	113	66623321508		9310357257233	1			70
66623321381	66623381819	9310357272090	1	19310357272097	100	113	66623321509		9310357257257	1			70
66623321382	66623381825	9310357272106	1	19310357272103	100	113	66623321510		9310357257264	1			70
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66623322075		9314188134930	1			57
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66623322080		9314188083009	1			57, 147
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66623322164		9310357725459	1			98
66623322168		9415900001483	1			151
66623322170		9415900001452	1			151
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66623381802		9310357271604	1	19310357271601	100	107
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69957394355		3157625736016	1	3157625736016	50	89	77696042075		3157629543993	1			132
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30002000750120	66623321435	9310357263050	1	9310357715702	10	117
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560W02000000MED	66623324032	666233240325	1		145	
561W01500000MED	66623324033	666233240332	1		145	
561W01500025MED	66623324034	666233240349	1		145	
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AM219878	66623320005	9310357203933	1		153	
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AM232041	66623320007	9310357701279	1		150	
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AM277274	66623320013	9310357705826	1	19310357705823	6	154
AM322938	66623320014	9310357706755	1		150	
AM325643	66261055105	9310357706144	1		63, 148	
AM328030	66623320015	9310357706748	1		80, 150	
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AM991079	66623320049	9310357706263	1		50, 147	
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CC069140	66623320216	9310357205111	1	9310357722083	50	91

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CC088250	66623320220	9310357205142	1	9310357722106	50	91
CC089206	66623320221	9310357205159	1	9310357722113	50	91
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CD139289	66623320447	9310357202042	1	9310357716037	25	51
CD150614	63642531831	9310357205708	1	9310357716099	25	50
CD150657	66261166659	9310357206798	1	9310357716242	25	50
CD165239	66623320448	9310357202035	1	9310357716020	25	51
CD166634	66623320449	9310357207399	1	9310357716297	20	126
CD193046	66261061296	9310357206774	1	9310357711988	25	50
CD194085	63642531839	9310357205692	1	9310357711957	25	50
CD194123	66623320450	9310357205869	1	9310357716181	20	123
CD204498	66623320453	9310357205821	1	9310357716150	25	50
CD211036	63642533048	9310357206729	1	9310357716235	25	50

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
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CD257532	66623320457	9310357211969	1	9310357716341	100	83
CD257540	66623320458	9310357211976	1	9310357716358	100	83
CD257559	66623320459	9310357211983	1	9310357716365	100	83
CD257567	66623320460	9310357211990	1	9310357716372	100	83
CD300209	66623320493	9310357215394	1	9310357716396	50	85
CD300225	66623320495	9310357215325	1	9310357716402	50	85
CD300233	66623320496	9310357215332	1	9310357716419	50	85
CD300241	66623320497	9310357214349	1	9310357716426	100	85
CD300268	66623320498	9310357215356	1	9310357719267	100	85
CD300276	66623320499	9310357215363	1	9310357716440	50	85
CD300284	66623320500	9310357215370	1	9310357716457	50	85
CD300288	66623320501	9310357220435	1	9310357716464	50	85
CD300292	66623320502	9310357215387	1	9310357716471	100	85
CD300306	66623320503	9310357215394	1	9310357716488	100	85
CD312754	66623320504	9310357218992	1	9310357717768	20	126
CD313381	66623320505	9310357216711	1	9310357712060	100	87
CD317330	66623320506	9310357216667	1	9310357716747	50	87
CD317349	66623320507	9310357216674	1	9310357716754	50	87
CD317357	66623320508	9310357216681	1	9310357716761	50	87
CD317365	66623320509	9310357216698	1	9310357712053	100	87
CD317373	66623320510	9310357216704	1	9310357716778	100	87
CD317403	66623320511	9310357216728	1	9310357716785	100	87
CD317411	66623320512	9310357216735	1	9310357716792	100	87
CD317438	66623320513	9310357218005	1	9310357717669	100	87
CD317446	66623320514	9310357216742	1	9310357712077	100	87
CD317454	66623320515	9310357216759	1	9310357716808	100	87
CD317462	66623320516	9310357216766	1	9310357716815	100	87
CD317470	66623320517	9310357216773	1	9310357716822	100	87
CD317489	66623320518	9310357257356	1		70	87
CD317497	66623320519	9310357216797	1	9310357716846	50	87
CD317500	66623320520	9310357216803	1	9310357716853	50	87
CD317519	66623320521	9310357216810	1	9310357716860	100	87
CD317527	66623320522	9310357216827	1	9310357716877	100	87
CD317535	66623320523	9310357216834	1	9310357716884	100	87
CD317551	66623320524	9310357216858	1	9310357716907	100	87
CD317586	66623320525	9310357216865	1	9310357716914	100	87
CD317632	66623320530	9310357216926	1	9310357716976	100	87
CD317659	66623320532	9310357216940	1	9310357716990	100	87
CD317667	66623320533	9310357216957	1	9310357717003	100	87
CD317748	66623320538	9310357217015	1	9310357717065	100	87
CD317780	66623320541	9310357217053	1	9310357717102	50	84
CD317799	66623320542	9310357217060	1	9310357717119	50	84
CD317802	66623320543	9310357217077	1	9310357712084	100	84
CD317810	66623320544	9310357217084	1	9310357712091	100	84
CD317829	66623320545	9310357217091	1	9310357712107	100	84
CD317837	66623320546	9310357217107	1	9310357717126	100	84
CD317845	66623320547	9310357217114	1	9310357717133	100	84
CD317861	66623320548	9310357217138	1	9310357717140	100	84
CD317888	66623320549	9310357217145	1	9310357717157	100	84
CD317896	66623320550	9310357217152	1	9310357717164	100	84
CD317918	66623320551	9310357217176	1	9310357717188	100	84
CD317926	66623320552	9310357217183	1	9310357717195	100	84
CD317934	66623320553	9310357217190	1	9310357717201	100	84
CD317938	66623320554	9310357259978	1		50	84

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
CD337145	66623320585	9310357218852	1	9310357717713	100	83
CD337153	66623320586	9310357218869	1	9310357717720	100	83
CD337160	66623320587	9310357253990	1	9310357719168	100	83
CD340626	66254444619	9310357219798	1			63
CD340634	66254444620	9310357219804	1			63
CD340642	66254444621	9310357219811	1			63
CD343110	66623320596	9310357220442	1	9310357716433	100	85
CD343129	66623320597	9310357220459	1	9310357717942	50	85
CD343137	66623320598	9310357220466	1	9310357717959	50	85
CD343145	66623320599	9310357220473	1	9310357717966	50	85
CD343153	66623320600	9310357220480	1	9310357717973	100	85
CD343161	66623320601	9310357220497	1	9310357717997	100	85
CD343188	66623320602	9310357220503	1			85
CD346225	66623320603	9310357221197	1	9310357722021	20	126
CD346314	66623320604	9310357221265	1	9310357722038	20	126
CD346322	66623320605	9310357221272	1	9310357722045	20	126
CD346438	66623320606	9310357248293	1	9310357712183	50	85
CD346446	66623320607	9310357248309	1	9310357718789	50	85
CD346454	66623320608	9310357248316	1	9310357718796	50	85
CD347779	66623320615	9310357222064	1	9310357718468	20	123
CD347787	66623320616	9310357222071	1	9310357718475	20	123
CD347795	66623320617	9310357222088	1	9310357718482	20	123
CD347809	66623320618	9310357222095	1	9310357718499	20	123
CD347817	66623320619	9310357222102	1	9310357718505	20	123
CD347825	66623320620	9310357222118	1	9310357718512	20	123
CD348228	66261131481	3157625809413	1	30662611314818	6	86
CD348236	66261131480	3157625809406	1	30662611314801	6	86
CD348236	66623320622	9310357221883	1			86
CD348244	66261131479	3157625687936	1	30662611314795	6	86
CD348252	66261131478	3157625809383	1	30662611314788	6	86
CD348260	66261131477	3157625809376	1	30662611314771	6	86
CD348260	66623320625	9310357221876	1			86
CD348279	66261131475	3157625809352	1	30662611314757	6	86
CD348279	66623320626	9310357221883	1			86
CD348309	66261131476	3157625809376	1			86
CD348317	66261131477	3157625809383	1			86
CD348325	66261131478	3157625809390	1			86
CD348333	66261131479	3157625809406	1			86
CD348341	66261131480	3157625809413	1			86
CD348368	66261131481	3157625809420	1			86
CD348384	66623320629	9310357222019	1	9310357718420	100	84
CD348392	66623320630	9310357222026	1	9310357718437	100	84
CD348414	66623320631	9310357222040	1			84
CD348422	66623320632	9310357222057	1			84
CD353496	66623320635	9310357249689	1	9310357719007	100	83
CD353497	66623320636	9310357249696	1	9310357719014	100	83
CD353498	66623320637	9310357249702	1	9310357719021	100	83
CD353499	66623320638	9310357249719	1	9310357719038	100	83
CD353500	66623320639	9310357249474	1			83
CD353501	66623320640	9310357249481	1	9310357718956	100	83
CD353502	66623320641	9310357249498	1	9310357718963	100	83
CD353503	66623320642	9310357249504	1	9310357718970	100	83
CD353504	66623320643	9310357249511	1	9310357718987	100	83
CD353505	66623320644	9310357249528	1	9310357718994	100	83
CD353506	66623320645	9310357249543	1	9310357719001	100	83
CD353566	66623320649	9310357227038	1	9310357718529	100	83
CD353574	66623320650	9310357227106	1	9310357718536	100	83
CD353582	66623320651	9310357227144	1	9310357718543	100	83
CD353590	66623320652	9310357227151	1	9310357718550	100	83
CD353604	66623320653	9310357227205	1	9310357718567	100	83
CD353612	66623320654	9310357227212	1	9310357718574	100	83
CD353620	66623320655	9310357227281	1	9310357718581	100	83
CD353639	66623320656	9310357227304	1	9310357718598	100	83
CD353647	66623320657	9310357227359	1	9310357718604	100	83
CD353655	66623320658	9310357227403	1	9310357718611	100	83
CD354775	66623320659	9310357238003	1	9310357718628	100	83
CD363456	66623320664	9310357245117	1			84
CD365521	66254444618	9310357214926	1			63
CD368946	66623320666	9310357248583	1	9310357718840	100	83
CD369497	66623320667	9310357248707	1			84
CD369829	66623388654	9310357280064	1	9310357280309	20	125
CD369837	66623388655	9310357280071	1	9310357280316	20	125
CD369845	66623388656	9310357280088	1	9310357280323	20	125
CD370045	66623320676	9310357260387	1	9310357720713	20	122
CD370053	66623320677	9310357260394	1	9310357720720	20	122
CD370061	66623320678	9310357260400	1	9310357720727	20	122
CD370088	66623320679	9310357260417	1	9310357720744	20	122
CD372692	66623320680	9310357249924	1			84
CD377937	66623320681	9310357253563	1	9310357719069	100	83
CD378240	66623320682	9310357254294	1	9310357719175	50	85
CD378259	66623320683	9310357254300	1	9310357719182	50	85
CD378267	66623320684	9310357254317	1	9310357719199	50	85
CD378275	66623320685	9310357254324	1	9310357719205	100	85
CD378283	66623320686	9310357254331	1	9310357719212	100	85

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
CD378288	66623320687	9310357256250	1			85
CD378291	66623320688	9310357254348	1	9310357719229	100	85
CD378305	66623320689	9310357254355	1	9310357719236	100	85
CD379654	66623320690	9310357254737	1	9310357722304	100	84
CD379662	66623320691	9310357254713	1	9310357717980	100	85
CD379680	66623320692	9310357255215	1	9310357719632	20	85
CD379689	66623320693	9310357255222	1	9310357719649	20	85
CD379697	66623320694	9310357255239	1	9310357719656	20	85
CD379700	66623320695	9310357255246	1	9310357719663	20	85
CD379719	66623320696	9310357255253	1	9310357719670	10	85
CD379727	66623320697	9310357255260	1	9310357719687	10	85
CD379735	66623320698	9310357255277	1	9310357719694	10	85
CD379743	66623320699	9310357255284	1	9310357719700	10	85
CD379751	66623320700	9310357255291	1	9310357719717	10	85
CD379778	66623320701	9310357255307	1	9310357719724	10	85
CD379786	66623320702	9310357255314	1	9310357719731	10	85
CD379794	66623320703	9310357255321	1	9310357719748	10	85
CD383619	66261176682	3157624950826	1	9310357720584	25	50
CD387363	66623388423	9310357280057	1	9310357280293	10	125
CD495077	63642560561	3157624950772	1	3157624950772	100	76, 76
CD495078	63642560562	3157624950789	1	3157624950789	100	76, 76
CD495079	63642560563	3157624950796	1	3157624950796	100	76, 76
CD495080	63642560564	3157624950802	1	3157624950802	100	76, 76
CD495082	63642560566	3157624950826	1	3157624950826	100	76, 76
CD495095	66261032772	3157625953185	1			77
CD495096	66261032773	3157625953444	1			77
CD495098	66261032774	3157625953451	1			77
CD495099	66261032775	3157625953468	1			77
CD495100	66261034247	3157629315743	1			77
CD495101	66261034248	3157629421789	1			77
CD855369	66623320714	9310357217473	1	9310357717485	50	85
CD855473	66623320715	9310357217480	1	9310357717492	50	85
CD855603	66623320716	9310357217497	1	9310357717508	50	85
CD855811	66623320717	9310357217503	1	9310357717515	100	85
CD855941	66623320718	9310357217510	1	9310357717522	100	85
CD855993	66623320719	9310357217527	1	9310357717539	100	85
CD856058	66623320720	9310357217534	1	9310357717546	50	85
CD856110	66623320721	9310357217541	1	9310357717553	50	85
CD856162	66623320722	9310357217558	1	9310357717560	50	85
CD856170	66623320723	9310357256267	1			85
CD856253	66623320724	9310357217565	1	9310357717577	100	85
CD856260	66623320725	9310357256274	1	9310357719960	100	85
CD856318	66623320726	9310357217572	1	9310357717584	100	85
CD85670	66623320727	9310357244738	1	9310357718635	100	84
CD857800	66623320728	9310357244745	1	9310357718642	100	84
CD857891	66623320729	9310357244752	1	9310357718659	100	84
CD857943	66623320730	9310357244769	1	9310357718666	100	84
CD858034	66623320731	9310357244776	1	9310357718673	100	84
CD858164	66623320732	9310357218920	1	9310357717737	50	84
CD858203	66623320733	9310357217206	1	9310357717218	50	84
CD858307	66623320734	9310357217213	1	9310357717225	50	84
CD858411	66623320735	9310357217220	1	9310357717232	100	84
CD858450	66623320736	9310357217398	1	9310357717409	100	84
CD858476	66623320737	9310357217237	1	9310357717249	100	84
CD858502	66623320738	9310357217404	1	9310357717416	100	84
CD858515	66623320739	9310357218944	1	9310		

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
CE093661	66623320780	9310357201533	1			120
CE093726	66623320782	9310357207498	1			120
CE093831	66623320783	9310357201557	1			120
CE093904	66623320784	9310357201540	1			120
CE099864	66623320795	9310357201731	1			102
CE099929	66623320796	9310357201892	1			102
CE099937	66623320797	9310357201764	1			102
CE100153	66623320798	9310357207726	1			102
CE100161	66623320799	9310357201885	1			102
CE100188	66623320800	9310357201724	1			102
CE110892	66623320801	9310357201748	1			102
CE110906	66623320802	9310357201908	1			102
CE110914	66623320803	9310357201823	1			102
CE110922	66623320804	9310357201755	1			102
CE110930	66623320805	9310357201915	1			102
CE110949	66623320806	9310357201763	1			102
CE111007	66623320807	9310357207672	1			102
CE111023	66623320808	9310357207665	1			102
CE111066	66623320809	9310357201922	1			102
CE111090	66623320810	9310357201847	1			102
CE111104	66623320811	9310357201762	1			102
CE111113	66623320812	9310357251330	1			102
CE111317	66623320813	9310357201953	1			102
CE111325	66623320814	9310357207702	1			102
CE111333	66623320815	9310357201793	1			102
CE111341	66623320816	9310357207696	1			102
CE111376	66623320817	9310357201946	1			102
CE111384	66623320818	9310357201786	1			102
CE111406	66623320819	9310357201939	1			102
CE111414	66623320820	9310357207689	1			102
CE111422	66623320821	9310357201779	1			102
CE113867	66623320822	9310357201250	1 m	9310357710455	25m roll	99
CE113875	66623320823	9310357201281	1 m	9310357710486	40m roll	99
CE113883	66623320824	9310357201274	1 m	9310357710479	36m roll	99
CE113891	66623320825	9310357201267	1 m	9310357710462	32m roll	99
CE113905	66623320826	9310357201199	1 m	9310357710578	36m roll	99
CE113913	66623320827	9310357201182	1 m	9310357710561	32m roll	99
CE113921	66623320828	9310357201205	1 m	9310357710585	40m roll	99
CE113948	66623320829	9310357201175	1 m	9310357710554	25m roll	99
CE134260	66623320830	9310357212966	1			101
CE141046	66623320833	9310357201588	1			120
CE141275	66623320834	9310357201595	1			120
CE167150	66623320841	9310357205607	1			120
CE175994	66623320842	9310357207627	1			120
CE177423	66623320843	9310357204688	1			101
CE177431	66623320844	9310357204671	1			101
CE196614	66623320847	9310357204695	1			101
CE203041	66623320819	9310357201939	1			102
CE208507	66623320848	9310357201571	1			120
CE211699	66623320849	9310357201564	1			120
CE215732	66623320850	9310357201601	1			120
CE217387	66623320852	9310357205005	1			120
CE220744	66623320853	9310357204206	1 m	9310357710707	25m roll	100
CE220752	66623320854	9310357204176	1 m	9310357710622	25m roll	100
CE220922	66623320855	9310357204183	1 m	9310357710660	25m roll	100
CE220930	66623320856	9310357204152	1 m	9310357710608	25m roll	100
CE220949	66623320857	9310357204190	1 m	9310357710684	25m roll	100
CE220957	66623320858	9310357204169	1 m	9310357710615	25m roll	100
CE233226	66623320869	9310357204657	1			101
CE233234	66623320870	9310357204664	1			101
CE258210	66623320872	9310357212201	1 m	9310357710677	25m roll	100
CE258229	66623320873	9310357212218	1 m	9310357710691	25m roll	100
CE258237	66623320874	9310357212225	1 m	9310357710714	25m roll	100
CE300101	66623320906	9310357215776	1			101
CE354783	66623321023	9310357256908	1			101
CE369460	66254499717	3157629341827	1			103
CE369462	66254499719	3157629341506	1			103
CE369489	66254499721	3157629341827	1			103
CE369500	66254499722	3157629341834	1			103
CE369519	66254499723	3157629341841	1			103
CE369523	66254499724	3157629341693	1			103
CE369527	66254499725	3157629341865	1			103
CE369942	66623321069	9310357247753	1			92
CE369950	66623321070	9310357247760	1			92
CE369969	66623321071	9310357247777	1			92
CE369977	66623321072	9310357247784	1			92
CE369985	66623321073	9310357247791	1			92
CE369993	66623321074	9310357258476	1			92
CE369999	66623321075	9310357258483	1			92
CE381489	66623321114	9310357256847	1			101
CE381497	66623321115	9310357256854	1			101
CE381500	66623321116	9310357256861	1			101
CE381519	66623321117	9310357256878	1			101
CE381527	66623321118	9310357256885	1			101

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
CE859165	66623321138	9310357244875	1			101
CE860010	66623321139	9310357216254	1			101
CE860127	66623321140	9310357244998	1			101
CE860374	66623321141	9310357245025	1			101
CE862740	66623321148	9310357216506	1			100
CE862766	66623321149	9310357216407	1			100
CE862831	66623321150	9310357216414	1			100
CE862844	66623321151	9310357216520	1			100
CE862883	66623321152	9310357216421	1			100
CE862961	66623321153	9310357216438	1			100
CE862987	66623321154	9310357216544	1			100
CE863013	66623321155	9310357216445	1			100
CE863130	66623321156	9310357216452	1			100
CE863208	66623321157	9310357216469	1			100
CF083178	66623381803	9310357271659	1	19310357271656	100	107
CF083208	66623381830	9310357271673	1	19310357271670	100	107
CF121371	66623381792	9310357271642	1	19310357271649	100	107
CF141143	66623381796	9310357271871	1	19310357271878	100	107
CF141291	66623381817	9310357271895	1	19310357271892	100	107
CF141305	66623381834	9310357271918	1	19310357271915	100	107
CF146056	66623381813	9310357271666	1	19310357271663	100	107
CF161071	66623321173	9310357218258	1	9310357713883	10	111
CF161209	66623321174	9310357208235	1	9310357713814	10	111
CF161225	66623321175	9310357211723	1	9310357713753	10	111
CF161276	66623321176	9310357212454	1	9310357714149	10	111
CF161284	66623321177	9310357202790	1	9310357714071	10	111
CF161322	66623381835	9310357271963	1	19310357271960	100	107
CF161489	66623381832	9310357271819	1	19310357271816	100	107
CF161519	66623381831	9310357271765	1	19310357271762	100	107
CF161799	66623321181	9310357208112	1	9310357714552	10	111
CF161861	66623321182	9310357215417	1	9310357714507	10	111
CF161942	66623321183	9310357208259	1	9310357714392	10	111
CF161977	66623321184	9310357203711	1	9310357714651	10	111
CF165980	66623321185	9310357208198	1	9310357713876	10	111
CF166111	66623321186	9310357147993	1	9310357713746	10	111
CF166189	66623321187	9310357208099	1	9310357714132	10	111
CF166197	66623321188	9310357202783	1	9310357714064	10	111
CF166235	66623381824	9310357271956	1	19310357271953	100	107
CF166421	66623381823	9310357271802	1	19310357271809	100	107
CF166472	66623381822	9310357271758	1	19310357271755	100	107
CF166707	66623321192	9310357211778	1	9310357714491	10	111
CF166731	66623321193	9310357208211	1	9310357714385	10	111
CF169129	66623321195	9310357208167	1	9310357713951	10	111
CF169188	66623321196	9310357208518	1	9310357713869	10	111
CF171220	66623321197	9310357208501	1	9310357713807	10	111
CF171352	66623321198	9310357208532	1	9310357714194	10	111
CF171387	66623321199	9310357202776	1	9310357714125	10	111
CF171522	66623381818	9310357271949	1	19310357271946	100	107
CF171751	66623381815	9310357271796	1	19310357271793	100	107
CF171859	66623381814	9310357271741	1	19310357271748	100	107
CF172049	66623321203	9310357208143	1	9310357714637	10	111
CF172189	66623321204	9310357211785	1	9310357714545	10	111
CF172251	66623321205	9310357208488	1	9310357714484	10	111
CF172308	66623321206	9310357203728	1	9310357714743	10	111
CF177172	66623321207	9310357208433	1	9310357714040	10	111
CF177253	66623321208	9310357208587	1	9310357713944	10	111
CF177369	66623321209	9310357208426	1	9310357712046	10	111
CF177407	66623321210	9310357208419	1	9310357713971	10	111
CF177474	66623321211	9310357212492	1	9310357714408	10	111
CF177644	66623321212	9310357208440	1	9310357714187	10	111
CF177768	66623381807	9310357271932	1	19310357271939	100	107
CF177989	66623381805	9310357271789	1	19310357271786	100	107
CF178012	66623381804	9310357271734	1	19310357271731	100	107
CF178233	66623321216	9310357208396	1	9310357714620	10	111
CF178292	66623321217	9310357208389	1	9310357714538	10	111
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PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
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CF226734	66623321248	9310357204381	1	9310357713159	10	107
CF231010	66623321249	9310357215295	1	9310357714095	10	111
CF235229	66623321250	9310357214801	1	9310357713302	10	106
CF235237	66623321251	9310357212461	1	9310357713319	10	106
CF235245	66623321252	9310357210795	1	9310357713326	10	106
CF235253	66623321253	9310357214685	1	9310357713333	10	106
CF235628	66623321254	9310357218241	1	9310357713838	10	111
CF235660	66623321255	9310357214380	1	9310357714668	10	111
CF236726	66623321256	9310357218081	1	9310357714705	10	111
CF239402	66623321257	9310357209881	1	9310357712619	5	118
CF239410	66623321258	9310357210467	1	9310357712626	5	118
CF240478	66623321259	9310357214403	1	9310357714699	10	111
CF241032	66623321260	9310357214410	1	9310357714712	6	111
CF247766	66623381791	9310357271598	1	19310357271595	100	107
CF247774	66623381812	93103572714311	1	19310357271618	100	107
CF247782	66623381829	9310357271635	1	19310357271632	100	107
CF247790	66623381795	9310357271826	1	19310357271823	100	107
CF247804	66623381806	9310357271833	1	19310357271830	100	107
CF247812	66623381816	9310357271840	1	19310357271847	100	107
CF247839	66623381833	9310357271864	1	19310357271861	100	107
CF258059	66623321274	9310357212171	1	9310357712640	5	118
CF258407	66623321275	9310357212447	1	9310357714644	10	111
CF259268	66623321276	9310357212812	1	9310357712633	5	118
CF259276	66623321277	9310357214311	1	9310357712930	10	118
CF259284	66623321278	9310357214328	1	9310357712954	10	118
CF272892	66623321279	9310357214090	1	9310357712879	10	118
CF272906	66623321280	9310357214106	1	9310357712886	10	118
CF272914	66623321281	9310357214113	1	9310357712893	10	118
CF272922	66623321282	9310357214120	1	9310357712909	10	118
CF272930	66623321283	9310357214137	1	9310357712916	10	118
CF273430	66623321284	9310357214199	1	9310357712923	10	118
CF273449	66623321285	9310357214205	1	9310357712947	10	118
CF273457	66623321286	9310357214212	1	9310357712961	10	118
CF273821	66623322244	9310357219064	1	9310357712121	10	105
CF318817	66623321287	9310357219019	1	9310357712978	10	118
CF318825	66623321288	9310357219026	1	9310357712985	10	118
CF321133	66623321289	9310357219040	1	9310357713043	10	118
CF322091	66623321290	9310357218999	1	9310357712657	5	118
CF322105	66623321291	9310357219002	1	9310357712664	5	118
CF322113	66623321292	9310357219033	1	9310357713029	10	118
CF322148	66623321293	9310357219057	1	9310357713296	10	118
CF323693	66623321294	9310357218593	1	9310357714255	10	106
CF343846	66623321296	9310357220770	1	9310357715184	10	110
CF343854	66623321297	9310357220787	1	9310357712138	10	110
CF343862	66623321298	9310357220794	1	9310357712145	10	110
CF343870	66623321299	9310357220800	1	9310357715214	10	110
CF343897	66623321300	9310357220824	1	9310357715054	10	110
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CF343900	66623321302	9310357220831	1	9310357715061	10	110
CF343919	66623321303	9310357220848	1	9310357715078	10	110
CF343927	66623321304	9310357220855	1	9310357715085	10	110
CF343935	66623321305	9310357220862	1	9310357715092	10	110
CF343943	66623321306	9310357220879	1	9310357715108	10	110
CF343951	66623321307	9310357220886	1	9310357715115	10	110
CF343978	66623321308	9310357220893	1	9310357715122	10	110
CF343994	66623321310	9310357220916	1	9310357715146	10	110
CF344001	66623321311	9310357220923	1	9310357715153	10	110
CF344052	66623321314	9310357220961	1	9310357715009	10	110
CF344060	66623321315	9310357220978	1	9310357715016	10	110
CF344079	66623321316	9310357220985	1	9310357715023	10	110
CF344087	66623321317	9310357220992	1	9310357715030	10	110
CF344095	66623321318	9310357221005	1	9310357714903	10	110
CF344109	66623321319	9310357221012	1	9310357714910	10	110
CF344117	66623321320	9310357221029	1	9310357714927	10	110
CF344125	66623321321	9310357221036	1	9310357714934	10	110
CF344133	66623321322	9310357221043	1	9310357714941	10	110
CF344141	66623321323	9310357221050	1	9310357714958	10	110
CF344176	66623321324	9310357221074	1	9310357714965	10	110
CF344192	66623321325	9310357221098	1	9310357269755	10	110
CF344206	66623321326	9310357221114	1	9310357714989	10	110
CF344214	66623321327	9310357221111	1	9310357714996	10	110
CF351458	66623321330	9310357235064	1	9310357713388	10	118
CF351466	66623321331	9310357235132	1	9310357713395	10	118
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CF351482	66623321333	9310357235194	1	9310357714736	10	118
CF355844	66623322245	9310357247920	1	9310357714835	10	105
CF355917	66623322246	9310357247937	1	9310357712176	10	105
CF356573	66623322247	9310357247944	1	9310357714873	10	105
CF356581	66623322248	9310357247698	1	9310357714897	10	105
CF363294	66623322249	9310357247951	1	9310357714880	10	105
CF364444	66623322250	9310357245515	1	9310357714828	10	105
CF370584	66623322251	9310357249818	1	9310357712190	10	105
CF374296	66623321336	9310357251279	1	9310357712435	5	118

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
CF374318	66623321337	9310357251286	1	9310357712442	10	118
CF374326	66623321338	9310357251293	1	9310357715191	10	118
CF374334	66623321339	9310357251309	1	9310357715207	10	118
CF374342	66623321340	9310357251316	1	9310357714859	10	118
CF374350	66623321341	9310357251323	1	9310357714866	10	118
CF379891	66623321342	9310357255783	1	9310357714682	10	111
CF379913	66623321344	9310357255802	1	9310357714576	10	111
CF379948	66623321345	9310357255826	1	9310357714774	10	111
CF379956	66623321346	9310357255833	1	9310357714811	10	111
CF379980	66623321349	9310357255864	1	9310357714781	10	111
CF379999	66623321350	9310357255871	1	9310357714750	10	111
CF380016	66623321352	9310357255895	1	9310357714088	10	111
CF380059	66623321354	9310357255932	1	9310357713906	10	111
CF380075	66623321355	9310357255956	1	9310357714026	10	111
CF380083	66623321356	9310357255963	1	9310357714309	10	111
CF380091	66623321357	9310357255970	1	9310357714316	10	111
CF380105	66623321358	9310357255987	1	9310357714323	10	111
CF380113	66623321359	9310357255994	1	9310357714286	10	111
CF380121	66623321360	9310357256007	1	9310357714293	10	111
CF380156	66623321362	9310357256021	1	9310357714361	10	111
CF380164	66623321363	9310357256038	1	9310357714378	10	111
CF380172	66623321364	9310357256045	1	9310357714330	10	111
CF380202	66623381789	9310357271970	1	19310357271977	200	113
CF380210	66623381800	9310357271987	1	19310357271984	200	113
CF380229	66623381810	9310357271994	1	19310357271991	200	113
CF380237	66623381820	9310357272007	1	19310357272004	200	113
CF380245	66623381827	9310357272014	1	19310357272011	200	113
CF380261	66623381790	9310357272021	1	19310357272028	100	113
CF380288	66623381801	9310357272038	1	19310357272035	100	113
CF380296	66623381811	9310357272045	1	19310357272042	100	113
CF380326	66623381828	9310357272069	1	19310357272066	100	113
CF380342	66623381798	9310357272076	1	19310357272073	100	113
CF380350	66623381808	9310357272083	1	19310357272080	100	113
CF380369	66623381819	9310357272090	1	19310357272097	100	113
CF380377	66623381825	9310357272106	1	19310357272103	100	113
CF380385	66623381836	9310357272113	1	19310357273493	100	113
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CF386995	66623381826	9310357271543	1	19310357271540	150	113
CF387134	66623321429	9310357263005	1	9310357712718	10	117
CF387142	66623321430	9310357263012	1	9310357712725	10	117
CF387150	66623321431	9310357263029	1	9310357712732	10	117
CF387169	66623321432	9310357263036	1	9310357712749	10	117
CF387177	66623321433	9310357263043	1	9310357712756	10	117
CF387181	66623321434	9310357263050	1	9310357715696	10	117
CF387185	66623321435	9310357263057	1	9310357715702	10	117
CF387193	66623321436	9310357263064	1	9310357712763	10	117
CF387207	66623321437	9310357263071	1	9310357712770	10	117
CF387215	66623321438	9				

PART NO.	NEW PART NO.	UNIT BARCODE	QTY	PACK BARCODE	PACK QTY	PAGE
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CF399744	66623321476	9310357269175	1	9310357727415	10	108
CF399752	66623321477	9310357269199	1	9310357727422	10	108
CF896644	66623321478	9310357218029	1	9310357714262	10	106
CF896657	66623321479	9310357218036	1	9310357714279	10	106
CK382000	66623321481	9310357256946	1			70
CK382019	66623321482	9310357256953	1			70
CK382027	66623321483	9310357256960	1			70
CK382035	66623321484	9310357256977	1			70
CK382043	66623321485	9310357256984	1			70
CK382051	66623321486	9310357256991	1			70
CK382078	66623321487	9310357257004	1			70
CK382086	66623321488	9310357257011	1			70
CK382094	66623321489	9310357257028	1			70
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CK382116	66623321491	9310357257042	1			70
CK382124	66623321492	9310357257059	1			70
CK382132	66623321493	9310357257066	1			70
CK382140	66623321494	9310357257073	1			70
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CK382175	66623321497	9310357257103	1			70
CK382183	66623321498	9310357257110	1			70
CK382191	66623321499	9310357257127	1			70
CK382205	66623321500	9310357257134	1			70
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CK382221	66623321502	9310357257158	1			70
CK382248	66623321503	9310357257172	1			70
CK382256	66623321504	9310357257189	1			70
CK382264	66623321505	9310357257196	1			70
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CK382329	66623321509	9310357257257	1			70
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CK382361	66623321513	9310357257295	1			70
CK382388	66623321514	9310357257301	1			70
CK382396	66623321515	9310357257325	1			70
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CK382442	66623321519	9310357257363	1			70
CK382450	66623321520	9310357257370	1			70
CK382469	66623321521	9310357257387	1			70
CK382477	66623321522	9310357257394	1			70
CK382485	66623321523	9310357257400	1			70
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CK382523	66623321526	9310357257455	1			71
CK382531	66623321527	9310357257462	1			71
CK382558	66623321528	9310357257479	1			71
CK382566	66623321529	9310357257486	1			71
CK382574	66623321530	9310357257493	1			71
CK382582	66623321531	9310357257509	1			71
CK382590	66623321532	9310357257516	1			71
CK382604	66623321533	9310357257523	1			71
CK382612	66623321534	9310357257547	1			71
CK382620	66623321535	9310357257554	1			71
CK382639	66623321536	9310357257561	1			71
CK382647	66623321537	9310357257578	1			71
CK382655	66623321538	9310357257585	1			71
CK382663	66623321539	9310357257592	1			71
CK382671	66623321540	9310357257615	1			71
CK382698	66623321541	9310357257622	1			71
CK382728	66623321542	9310357257646	1			71
CK382736	66623321543	9310357257653	1			71
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CK382760	66623321546	9310357257684	1			71
CK382779	66623321547	9310357257691	1			71
CK382787	66623321548	9310357257707	1			71
CK382795	66623321549	9310357257714	1			71
CK382809	66623321550	9310357257721	1			71
CX110116	66261058509	9310357208822	1			144
CX110140	66261058510	9310357208815	1			144
CX110159	66261058507	9310357210122	1			144
CX110167	66261058521	9310357208846	1			144
CX227412	66261045600	9310357206149	1	9310357721505	10	130
CX227633	66261148639	662611486392	1		2	142
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