

**NORTON**

SAINT-GOBAIN

Reshaping  
your  
world.

ABRASIVE SOLUTIONS

# INDUSTRIAL APPLICATIONS

**2019**



  
SAINT-GOBAIN

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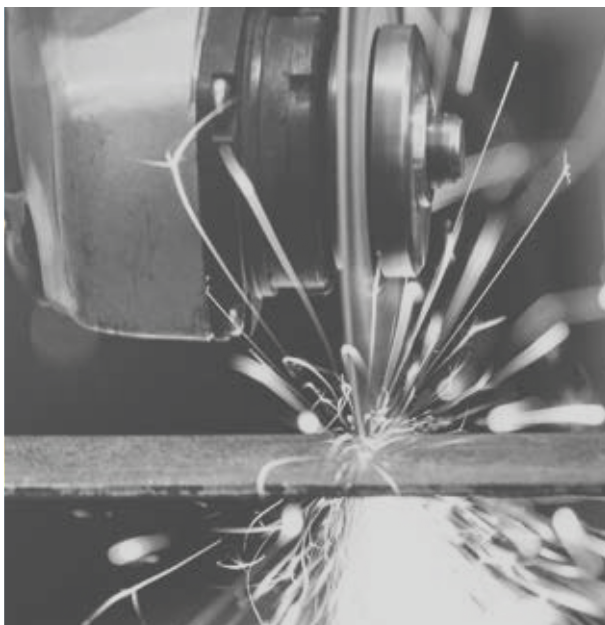
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IMAGINE A WORLD SHAPED BY US - IMAGINE A WORLD WE ARE CONSTANTLY DESIGNING FOR THE BEST - IMAGINE TODAY WE ARE RESHAPING OUR WORLD TOGETHER, EVERYWHERE.

So when you rise to start your day, we have already been thinking of you and how the products we supply can deliver a material difference to shaping your world – today and tomorrow.

Saint-Gobain Abrasives brings powerful, precise and user-friendly solutions to grind, shape and finish all types of materials, across all applications everywhere around us.

To reshape our world, our customers want the smartest designs so we obsess over material sciences and technologies to design and co-develop our products with sustainability and innovation top of mind. Our customers want the right choices so we are committed to the highest standards for your safety, your comfort and your efficiency, supplying the widest portfolio of abrasives solutions.

And we cut, we shape and we finish every material for every application.

Our customers want true value partners. So focusing on our roots and our diversity, with our highly recognized Norton brand with more than 135 years of experience and with over 10,000 passionate employees, through our global network of 60 facilities in almost 30 countries across all continents, with our R&D centers in the US, Europe, China and India, our local sales professionals, application engineers, and customer services,... we dedicate ourselves to our customers and our distribution partners.

And we continually invest to optimize our supply chain and digitalize our processes, for service excellence and ultimate customer satisfaction, every day, everywhere.

We serve many market segments – Metal Fabrication, Manufacturing and Industry, Electronics and Specialties, Woodworking, Transportation, Automotive Aftermarket, Construction and Home Improvement, Energy and Environment.

At the end of the day, no matter the market, no matter the application, we're here to help your business produce results, making every day better, and reshaping your world, together.





# ***NORTON***

®

## **SAINT-GOBAIN**

# RESHAPING YOUR WORLD, TOGETHER

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

## OUR BRAND COMMITMENTS

SMART  
DESIGN

RIGHT  
CHOICE

VALUE  
PARTNER

## SERVING EVERY MARKET...





# MARKET SOLUTIONS

Norton continually delivers innovative solutions across major industries – from advanced manufacturing systems to hydropower, electronics to construction, and general do-it-yourself projects to renovations. Abrasives are an integral part of reshaping your world on a daily basis: whether it's sandpaper for sanding furniture, diamond blades for cutting concrete and stone, grinding wheels for maintaining machinery and high precision grinding equipment, or vacuum discs for restoring car bodywork.

And the Norton abrasive solutions program for industrial applications addresses the needs of many markets, including:



## METAL FABRICATION

At Norton, we offer abrasive solutions for rust, weld, coating and paint removal, surface blending, finishing and polishing with excellent cut rate and life. All Norton products excel in fabrication, welding, maintenance and repair operations, keeping operating cost and downtime to a minimum.



## STEEL INDUSTRY

Norton abrasives for use in steel conditioning, cutting and grinding sheets, slabs, billets, bars, rounds, rolls, sheets and tubes have been designed to keep your productivity levels high and costs low. All Norton abrasives are manufactured and safety tested in accordance with the most stringent European safety standards, EN12413, ISO and oSa.



## TOOLING

For precision grinding and sharpening of essential implements such as shank tools, milling tools knives and saw blades, high quality Norton diamond and cBN cups and wheels are the ultimate performance solutions to deal with the most demanding materials.



## BEARING & GEARS

Norton has a full range of solutions to ensure bearings and gears are produced to the very highest standards. High performance grinding wheels with the latest innovation in bond technology; maximise efficiency and part quality. Norton profile dressers deliver a complete solution for continuous gear generation, profile grinding, bevel gear grinding, power honing.



## TRANSPORTATION

From grinding and shaping to edge breaking, de-burring and finishing wings and airframes, Norton can be relied upon to deliver the highest performance. On the ground, Norton reduces operational costs and increases quality and throughput in the production of engine and body components for motorcycles, cars, trucks and trains, and for rail and track maintenance. On water, the marine industry relies on our specialist abrasives for bodywork operations.



## MEDICAL

Norton abrasives produce exceptional results, helping to manufacture quality products to the most stringent requirements of the optical, medical and metallurgical industries. Highly engineered abrasive cut-off wheels, abrasive belts, non-woven de-burring / finishing wheels & belts, bonded grinding wheels and diamond & CBN tools are used throughout the production process to produce knee & hip joints, prosthetics and medical instruments.



## ENERGY

The Norton Oil & Gas range is ideal for use in the manufacture and repair of upstream, midstream and downstream components, shipbuilding, oil rigs and pipelines. In addition, Norton offers complete solutions for the manufacture and maintenance of land and offshore wind turbines for OD & ID grinding, to portable cutting and finishing operations of gears and bearings, blades, vanes, seals and casings.



## BUILDING & CONSTRUCTION

Norton Clipper is a one-stop shop for all cutting, drilling, grinding and sanding jobs within the building and industrial construction markets. We can equip you with the safest and highest performing construction blades, machines and abrasives that not only help to improve your personal comfort and contribute to a greener environment improve our habitat.



## WOOD & FURNITURE

Whether you're a carpenter, joiner, floor liner or furniture manufacturer or restorer, Norton has a complete offering for calibration, tool sharpening and sanding and finishing applications.

...FOR MORE INFORMATION VISIT  
[www.nortonabrasives.com](http://www.nortonabrasives.com)

# DIFFERENTIATION IN THE RANGE

Norton offers the industry’s widest selection of abrasive products to meet every customer requirement. The range is classified into three quality-tiers (good/better/best) to help you choose the right product for your specific application.

## INNOVATION

Norton’s innovative abrasive solutions offer outstanding productivity and versatility.

### GOOD +++

Our **Good** tier products promise the highest quality you expect from the Norton name with a low initial price. These products are a great purchase to supply performance above your expectations while being a competitive choice to our budget conscious user.

### BETTER ++++

Our **Better** tier products provide an excellent blend of performance and price. They may be the right fit when you can’t easily measure the value of a Best tier product, but still have higher expectations for performance. You’ll get your money’s worth and more with the performance-to-price ratio from our Better tier.

### BEST +++++

Our **Best** tier products are designed for the customer who is seeking the highest productivity at the lowest total cost. These top-of-the-range solutions mean impressive, measurable impact on your process cost. You can expect to spend less time changing abrasives and more time focusing on production when you make an investment in Best tier Norton products.

## RANGE OVERVIEW

|                               | GOOD<br>+++                                                                                                            | BETTER<br>++++                                                                            | BEST<br>+++++                                                                                                                                            | INNOVATION<br>+++++                |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| CUTTING-OFF & GRINDING WHEELS | NEON                                                                                                                   | VULCAN<br>FOUNDRY X<br>OIL & GAS<br>RAIL<br>MULTI MATERIAL                                | OMEGA<br>1 2 3<br>ALU<br>DIALAST                                                                                                                         | NORTON QUANTUM<br>NORTON QUANTUM 3 |
| COATED ABRASIVES              | ALU<br>METAL<br>STARLINE<br>BEARTEX<br>RAPID STRIP<br>BDX<br>RAPID BLEND<br>RAPID PREP<br>RAPID POLISH<br>RAPID FINISH | NORZON<br>VULCAN<br>VORTEX RAPID BLEND<br>VORTEX RAPID PREP<br>X-TREME<br>PRO<br>PRO FILM | NORTON QUANTUM<br>GREENLYTE<br>NORSTAR<br>BLAZE RAPID STRIP<br>BLAZE<br>RED HEAT<br>PRO PLUS<br>BLUEFIRE<br>NORZON<br>VIKING<br>SG<br>MESHPOWER<br>RED-X | NORTON QUANTUM                     |
| BONDED ABRASIVES              | 38A<br>19A<br>32A<br>A<br>39A<br>37A                                                                                   | SGA/SGB<br>38A VS3<br>GF                                                                  | NQ<br>SG VS3<br>3SG/SSG                                                                                                                                  | NQ VS3                             |
| DIAMOND TOOLS                 | CLASSIC                                                                                                                | PRO                                                                                       | EXTREME                                                                                                                                                  | -                                  |
| SUPER ABRASIVES               | B49                                                                                                                    | B99                                                                                       | AZTEC IV<br>ECO LINE                                                                                                                                     | -                                  |



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, grinding, stock removal, or surface preparation and finishing.



## DISPLAY KITS

- 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, display bar with 5 pins x1, legs x2, pegs x35
- Accessories can be ordered separately if required.

| DISPLAY KIT TYPES        | PK QTY | NORTON    | CLIPPER   |
|--------------------------|--------|-----------|-----------|
| Kit with light           | 1      | 410076979 | 410048416 |
| Kit with light (UK plug) | 1      | 410058121 | 410050915 |
| Kit without light        | 1      | 410076980 | 410048415 |

| ACCESSORIED          | PK QTY | NORTON | CLIPPER |
|----------------------|--------|--------|---------|
| Header with light    | 1      |        |         |
| Header without light | 1      |        |         |
| Shelf                | 1      | MT0    | MT0     |
| Drill motor hooks x2 | 1      |        |         |
| Euro hooks x35       | 1      |        |         |
| Core Drill hook      | 1      |        |         |

## PORTABLE DISPLAY FOR CUTTING-OFF & GRINDING WHEELS

- Kit contains: Unit x1, header x1, pins x22, side panels x2
- H: 1740mm x W: 380mm x D: 580mm

| DESCRIPTION    | PK QTY | ART NO.   |
|----------------|--------|-----------|
| Portable stand | 1      | 410090016 |



## POINT-OF-SALE GRAPHICS

Graphic templates can be adapted to suit your requirements.  
For information about tailored designs please contact your local sales representative

### EXAMPLE TEMPLATES

#### SURFACE PREPARATION & FINISHING



#### MATERIAL REMOVAL



#### CUTTING & GRINDING



# YOUR SAFETY IS OUR PRIORITY

Abrasive safety starts with us. Your safety is our first priority so all Norton products are manufactured in accordance with the most rigorous European and International health, safety and environmental norms. We understand your environment is tough and demanding, risks and expectations are high, you risk life and limb every time you pick up a machine to cut, grind or sand. That's why we'll always make sure our products perform to the highest standard, safely. Not only that, we give great importance to maintaining safe working conditions for our own employees throughout the production process.

## **oSa®**

The Organisation for the Safety of Abrasives

As a member of oSa, we position ourselves amongst quality manufacturers with the highest safety levels and we're proud to carry the trademark. Through a stringent monitoring and audit system year after year, we maintain our reputation as a reliably safe and responsible producer of quality abrasives. We conform to European and International standards, EN12413, EN13236 and EN13743 for bonded, diamond and coated products and ISO 9001, 14001 and OHSAS 18001 for our manufacturing sites. This is not just because it's a legal requirement, it's also because we care. Opt for the oSa® trademark; tested quality products of the highest safety level.

## **FEPA**

The Federation of European Producers of Abrasives

As a member of the FEPA association, we're always up to date with the latest technical, legal and scientific regulatory frameworks, meaning we're always one step ahead. Together with oSa, FEPA pursues the objective of supporting both the currently attained safety standards and further future developments.



The mark of  
responsible forestry

## **Our Commitment to Employees and Sustainability**

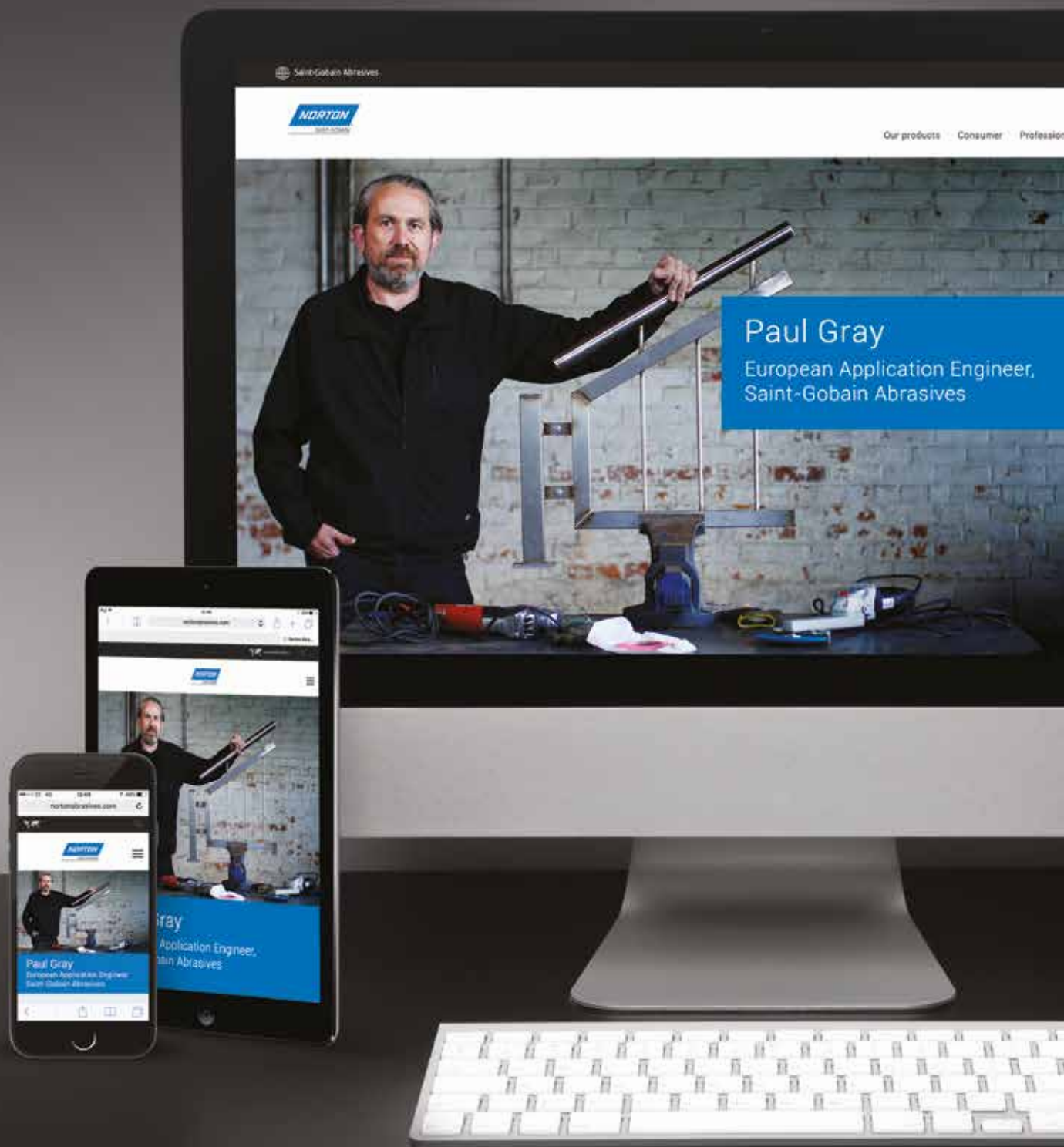
As a global leader, and aligned with our business values and vision, our operational policies and practices underpin our commitment to employees and sustainability, which include: pursuing an ambitious policy to constantly improve workplace health & safety; continuously encouraging the personal development of our employees; being a responsible and sustainable player internationally and within our local communities; minimizing the environmental footprint of our operations with five clear priorities; continuously developing eco-valORIZED products bringing additional value to our customers.

For more information on our commitment to employees and sustainability, and for detailed safety advice please visit our website [www.norton-abrasives.com](http://www.norton-abrasives.com). You can also find helpful tips and Do's & Don'ts on Safety in each of the product sections throughout the catalogue.









DISCOVER MORE FROM  
OUR EXPERTS AT:

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

**NORTON**

SAINT-GOBAIN





**NORTON**

SAINT-GOBAIN®

CUTTING-OFF &  
GRINDING WHEELS

# CUTTING-OFF & GRINDING WHEELS

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## **CUTTING-OFF & GRINDING WHEELS**

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for Metal Fabrication & Welding

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## **CUTTING-OFF WHEELS**

for Petrol Saws

for Chop Saws

for Stationary Machines

Technical Information

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## CUTTING-OFF &amp; GRINDING WHEELS

## INTRODUCTION

The Norton range of Cutting-off and Grinding Wheels for portable and fixed machines provide superior performance in the most stringent working environment. The product range includes state-of-the-art solutions for Cutting-off, Grinding, and Surface Finishing operations on any materials related to industrial fabrication markets. Norton, the industry's most comprehensive Cutting-off and Grinding product line.

## UNDERSTANDING THE PRODUCT

- 1 Best quality tier
- 2 Application material
- 3 Diameter x Thickness x Hole
- 4 Product specification
- 5 Maximum peripheral speed
- 6 Machine cutting or grinding
- 7 Product code
- 8 OSA certification
- 9 EN12413



## PRODUCT SELECTION GUIDE

## GRINDING WHEELS FOR ANGLE GRINDERS

Highly recommended ●



| MATERIALS                     | NORTON<br>QUANTUM3 | OMEGA | VULCAN | NEON | 1-2-3 | ALU  | FOUNDRY X | DIALAST | OIL & GAS |
|-------------------------------|--------------------|-------|--------|------|-------|------|-----------|---------|-----------|
|                               | +++++              | +++++ | ++++   | +++  | +++++ | ++++ | ++++      | +++++   | ++++      |
| Steel / construction steel    | ●                  | ●     | ●      | ●    | ●     |      | ●         |         | ●         |
| Low alloy                     | ●                  | ●     | ●      | ●    | ●     |      | ●         |         | ●         |
| High alloy                    | ●                  | ●     |        |      |       |      |           |         | ●         |
| Thin sheets, plates, profiles | ●                  | ●     | ●      | ●    |       |      |           |         | ●         |
| Stainless steel / inox        | ●                  | ●     | ●      |      | ●     |      |           |         | ●         |
| Cast iron                     |                    |       |        |      |       |      | ●         |         |           |
| Non ferrous                   |                    |       |        |      |       | ●    |           |         |           |
| Titanium                      | ●                  |       | ●      |      |       | ●    |           |         |           |
| Stone concrete                |                    |       | ●      |      |       |      |           |         |           |
| Tiles ceramics                |                    |       | ●      |      |       |      |           |         |           |

# PRODUCT SELECTION GUIDE

## CUTTING-OFF WHEELS FOR ANGLE AND STRAIGHT GRINDERS

Highly recommended ●



| MATERIALS                     | NEW NORTON<br>QUANTUM3 | OMEGA | VULCAN | NEON | 1-2-3 | ALU  | FOUNDRY X | DIALAST | OIL & GAS | RAIL | MULTI<br>MATERIAL |
|-------------------------------|------------------------|-------|--------|------|-------|------|-----------|---------|-----------|------|-------------------|
|                               | +++++                  | +++++ | ++++   | +++  | +++++ | ++++ | ++++      | ++++    | ++++      | ++++ | ++++              |
| Steel / construction steel    | ●                      | ●     | ●      | ●    | ●     |      | ●         | ●       | ●         | ●    | ●                 |
| Low alloy                     | ●                      | ●     | ●      | ●    |       |      | ●         |         | ●         | ●    | ●                 |
| High alloy                    | ●                      | ●     |        |      |       |      |           |         | ●         |      |                   |
| Thin sheets, plates, profiles | ●                      | ●     | ●      | ●    |       |      |           |         | ●         |      | ●                 |
| Stainless steel / inox        | ●                      | ●     | ●      |      |       |      |           |         | ●         |      | ●                 |
| Cast iron                     |                        |       |        |      |       |      | ●         | ●       |           |      |                   |
| Non ferrous                   |                        |       |        |      |       | ●    |           |         |           |      | ●                 |
| Titanium                      | ●                      |       |        |      |       | ●    |           |         |           |      | ●                 |
| Stone concrete                |                        |       |        |      |       |      |           |         |           |      | ●                 |
| Tiles ceramics                |                        |       |        |      |       |      |           |         |           |      | ●                 |
| Rail hard grade               |                        |       |        |      |       |      |           |         |           | ●    |                   |
| Rail medium grade             |                        |       |        |      |       |      |           |         |           | ●    |                   |
| Rail soft grade               |                        |       |        |      |       |      |           |         |           | ●    |                   |
| Glass ceramics PVC            |                        |       |        |      |       |      |           |         |           |      | ●                 |

**1 OPERATOR COMFORT...**  
Reduced hand fatigue from less cutting vibration.

**2 LESS GRINDING TIME...**  
A sharper wheel for the highest metal removal & faster cutting action.

**3 LESS DOWNTIME & WASTE...**  
From longer wheel life, using fewer wheels.

**UTG**  
ULTRA THIN  
GRINDING





## CUTTING-OFF & GRINDING WHEELS FOR METAL FABRICATION & WELDING

The use of abrasives in secondary steel industries is vast; from ship building and production of domestic appliances, automotive and construction components, special profiles, pipes and electrical goods to maintenance and repair of equipment, tools and machines.

### NORTON QUANTUM **+++++** INNOVATION ULTIMATE TECHNOLOGY

- Premium aggressive NorZon Heavy Duty grain
- Revolutionary Patent Pending Bond Technology
- No other wheel lasts longer
- Lowest total abrasive costs
- High metal removal rate



METAL  
INOX



|                                                                                                                                                                                          | TYPE    | DIA (mm) | TxB (mm)  | SPEC     | PK QTY | ART NO.     | PRICE   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|-----------|----------|--------|-------------|---------|
| CUTTING-OFF WHEELS                                                                                                                                                                       |         |          |           |          |        |             |         |
| <br><br>VIDEO LINK | TYPE 41 | 115      | 1,0x22,23 | ZA 60 ZZ | 25     | 66252836338 | £000.00 |
|                                                                                                                                                                                          |         |          | 1,3x22,23 | ZA 60 ZZ | 25     | 66252836897 | £000.00 |
|                                                                                                                                                                                          |         |          | 1,6x22,23 | ZA 46 ZZ | 25     | 66252836339 | £000.00 |
|                                                                                                                                                                                          | TYPE 42 | 125      | 1,0x22,23 | ZA 60 ZZ | 25     | 66252836340 | £000.00 |
|                                                                                                                                                                                          |         |          | 1,3x22,23 | ZA 60 ZZ | 25     | 66252836898 | £000.00 |
|                                                                                                                                                                                          |         |          | 1,6x22,23 | ZA 46 ZZ | 25     | 66252836341 | £000.00 |
|                                                                                                                                                                                          |         |          | 2,0x22,23 | ZA 46 ZZ | 25     | 66252843896 | £000.00 |
|                                                                                                                                                                                          |         | 180      | 1,6x22,23 | ZA 46 ZZ | 25     | 66252837989 | £000.00 |
|                                                                                                                                                                                          |         | 230      | 1,9x22,23 | ZA 46 ZZ | 25     | 66252837990 | £000.00 |
|                                                                                                                                                                                          |         | 115      | 0,8x22,23 | ZA 60 ZZ | 25     | 66252840228 | £000.00 |
|                                                                                                                                                                                          |         | 125      | 0,8x22,23 | ZA 60 ZZ | 25     | 66252838243 | £000.00 |

## NEW NORTON QUANTUM3

### ULTRA THIN CUTTING-OFF WHEELS

+++++ INNOVATION

- Cutting performance taken to a new level in comfort, life and speed.
- For precision, speed and the most accurate cut with reduced vibration levels, helping you to cut more comfortably for longer.

- Ceramic grains give this wheel it's unique character. 1,3mm for ultimate speed and comfort. 1,6mm for absolute stability and longest life.
- Delivers best in class performance on Steel and Stainless Steel.

METAL  
INOX

|                                                                                              | TYPE | DIA (mm) | TxB (mm)  | SPEC     | PK QTY | ART NO.     | PRICE   |
|----------------------------------------------------------------------------------------------|------|----------|-----------|----------|--------|-------------|---------|
| CUTTING-OFF WHEELS                                                                           |      |          |           |          |        |             |         |
| <br>TYPE 41 |      | 115      | 1,3x22,23 | NQ 60 ZZ | 25     | 66253371348 | £000.00 |
|                                                                                              |      |          | 1,6x22,23 | NQ 46 ZZ | 25     | 66253371349 | £000.00 |
|                                                                                              |      | 125      | 1,3x22,23 | NQ 60 ZZ | 25     | 66253371351 | £000.00 |
|                                                                                              |      |          | 1,6x22,23 | NQ 46 ZZ | 25     | 66253371352 | £000.00 |

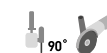
## NEW NORTON QUANTUM3

### CUTTING-OFF WHEELS

+++++ INNOVATION

- Greater wheel thickness for a more robust cut.
- Ceramic grain provides a fast, sharp cut time and time again.
- Incomparable speed in rough cutting applications on black steel.

- Ideal for large steel projects, shipyards, steel construction and general engineering.

METAL  
INOX

|                                                                                                | TYPE | DIA (mm) | TxB (mm)  | SPEC    | PK QTY | ART NO.     | PRICE   |
|------------------------------------------------------------------------------------------------|------|----------|-----------|---------|--------|-------------|---------|
| CUTTING-OFF WHEELS                                                                             |      |          |           |         |        |             |         |
| <br>TYPE 42 |      | 125      | 2.5x22.23 | NQ 24 P | 25     | 66252832258 | £000.00 |
|                                                                                                |      | 180      | 2.5x22.23 | NQ 24 P | 25     | 66252845041 | £000.00 |

## HOW WILL IT BENEFIT YOU?

### OPERATOR COMFORT

with reduced hand fatigue from less cutting vibration

### LESS CUTTING TIME

with a sharper disc in two thicknesses for speed and life

### LESS DOWNTIME & WASTE

with longer disc life using fewer discs



EXPERIENCE EXTRASMOOTH  
CUTTING ACTION, THANKS  
TO OUR PREMIUM CERAMIC  
GRAIN.

## CUTTING-OFF &amp; GRINDING WHEELS FOR METAL FABRICATION &amp; WELDING

# NORTON QUANTUM3

## GRINDING WHEELS

+++++ INNOVATION

- Self sharpening ceramic grain technology for high material removal and less grinding time
- Longer wheel life means less downtime and waste, fewer wheels needed
- More comfortable to use with reduced hand fatigue from less cutting vibration
- Offers true savings in grinding processes



|                                                                                   | TYPE                                                                              | DIA (mm) | TxB (mm)  | SPEC    | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------|---------|--------|-------------|---------|
| GRINDING WHEELS                                                                   |                                                                                   |          |           |         |        |             |         |
|  |  | 115      | 7,0x22,23 | NQ 24 P | 10     | 66253371361 | £000.00 |
|                                                                                   |                                                                                   | 125      | 7,0x22,23 | NQ 24 P | 10     | 66253371362 | £000.00 |
|                                                                                   |                                                                                   | 150      | 7,0x22,23 | NQ 24 P | 10     | 66253371363 | £000.00 |
|                                                                                   |                                                                                   | 180      | 7,0x22,23 | NQ 24 P | 10     | 66253371364 | £000.00 |
|                                                                                   |                                                                                   | 230      | 7,0x22,23 | NQ 24 P | 10     | 66253371365 | £000.00 |
|  |                                                                                   | 125      | 7,0x22,23 | NQ 24 N | 10     | 66252839321 | £000.00 |
|                                                                                   |                                                                                   | 230      | 7,0x22,23 | NQ 24 N | 10     | 66252839322 | £000.00 |





+++++ INNOVATION



**NORTON**  
 SAINT-GOBAIN  
**QUANTUM3**  
 +++++ INNOVATION  
 COMBO  
 CERAMIC ADVANTAGE  
 Metal, Steel, Stahl, Metallo, Inox, Stainless  
 125 x 4,2 x 22,23  
 NQ24R - BF27  
 MAX: 12,250 rpm  
 80 m/s  
 Made in EU  
 66253371357  
 479 629938

## NORTON QUANTUM3

### ULTRA THIN GRINDING WHEELS

- Fast grinding formula, gets the job done faster
- Improved grinding control ensures precise grinding accuracy
- Get to work in hard to reach areas like corners and grooves
- Smoother feel, reduced fatigue and improve operator comfort
- Boost the amperage on cordless grinders due to light weight / fast cutting








|                                                                                                | TYPE | DIA (mm) | TxB (mm)  | SPEC    | PK QTY | ART NO.     | PRICE   |
|------------------------------------------------------------------------------------------------|------|----------|-----------|---------|--------|-------------|---------|
| COMBINATION WHEELS                                                                             |      |          |           |         |        |             |         |
| TYPE 27<br> |      | 115      | 4,2x22,23 | NQ 24 R | 20     | 66253371356 | £000.00 |
|                                                                                                |      | 125      | 4,2x22,23 | NQ 24 R | 20     | 66253371357 | £000.00 |
|                                                                                                |      | 150      | 4,2x22,23 | NQ 24 R | 20     | 66253371358 | £000.00 |
|                                                                                                |      | 180      | 4,2x22,23 | NQ 24 R | 20     | 66253371359 | £000.00 |
|                                                                                                |      | 230      | 4,2x22,23 | NQ 24 R | 20     | 66253371360 | £000.00 |

# UTG

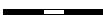
## ULTRA THIN GRINDING



# OMEGA **+++++**

- High performance aluminium oxide grain for fast and high material removal
- Superior bond system holds the grain for long wheel life, resulting in less wheel usage
- Ideal for heavy industrial use on all hard steel types and alloys



|                                                                                   | TYPE                                                                                                  | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|-------------|---------|
| <b>CUTTING-OFF WHEELS</b>                                                         |                                                                                                       |          |           |        |        |             |         |
|  | <b>TYPE 41</b><br>   | 115      | 1,0x22,23 | A 60 W | 25     | 66253370025 | £000.00 |
|                                                                                   |                                                                                                       |          | 1,6x22,23 | A 46 W | 25     | 66253370026 | £000.00 |
|                                                                                   |                                                                                                       | 125      | 1,0x22,23 | A 60 W | 25     | 66253370029 | £000.00 |
|                                                                                   |                                                                                                       |          | 1,6x22,23 | A 46 W | 25     | 66253370030 | £000.00 |
|                                                                                   |                                                                                                       | 150      | 1,6x22,23 | A 46 W | 25     | 66253370033 | £000.00 |
|                                                                                   |                                                                                                       | 180      | 1,6x22,23 | A 46 W | 25     | 66253370034 | £000.00 |
|                                                                                   | <b>TYPE 41</b><br>   | 230      | 1,9x22,23 | A 36 W | 25     | 66253370036 | £000.00 |
|                                                                                   |                                                                                                       | 115      | 2,0x22,23 | A 36 W | 25     | 66253370027 | £000.00 |
|                                                                                   |                                                                                                       |          | 2,5x22,23 | A 36 W | 25     | 66253370028 | £000.00 |
|                                                                                   |                                                                                                       | 125      | 2,0x22,23 | A 36 W | 25     | 66253370031 | £000.00 |
|                                                                                   |                                                                                                       |          | 2,5x22,23 | A 36 W | 25     | 66253370032 | £000.00 |
|                                                                                   |                                                                                                       | 180      | 2,0x22,23 | A 36 W | 25     | 66253370035 | £000.00 |
|                                                                                   | <b>TYPE 42</b><br> | 230      | 2,0x22,23 | A 36 W | 25     | 66253370037 | £000.00 |
|                                                                                   |                                                                                                       |          | 2,5x22,23 | A 36 W | 25     | 66253370039 | £000.00 |
|                                                                                   |                                                                                                       | 115      | 2,5x22,23 | A 36 W | 25     | 66253370040 | £000.00 |
|                                                                                   |                                                                                                       | 125      | 2,5x22,23 | A 36 W | 25     | 66253370041 | £000.00 |
|                                                                                   |                                                                                                       | 180      | 2,5x22,23 | A 36 W | 25     | 66253370043 | £000.00 |
|                                                                                   |                                                                                                       | 230      | 2,5x22,23 | A 36 W | 25     | 66253370044 | £000.00 |



|                                                                                     | TYPE                                                                                                  | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|-------------|---------|
| <b>COMBINATION WHEELS</b>                                                           |                                                                                                       |          |           |        |        |             |         |
|  | <b>TYPE 27</b><br> | 125      | 4,0x22,23 | A 24 S | 10     | 66253370042 | £000.00 |



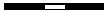
|                                                                                     | TYPE                                                                                                  | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|-------------|---------|
| <b>GRINDING WHEELS</b>                                                              |                                                                                                       |          |           |        |        |             |         |
|  | <b>TYPE 27</b><br> | 115      | 7,0x22,23 | A 24 S | 10     | 66253370045 | £000.00 |
|                                                                                     |                                                                                                       | 125      | 7,0x22,23 | A 24 S | 10     | 66253370046 | £000.00 |
|                                                                                     |                                                                                                       | 150      | 7,0x22,23 | A 24 S | 10     | 66253370047 | £000.00 |
|                                                                                     |                                                                                                       | 180      | 7,0x22,23 | A 24 S | 10     | 66253370048 | £000.00 |
|                                                                                     |                                                                                                       | 230      | 7,0x22,23 | A 24 S | 10     | 66253370050 | £000.00 |

## CUTTING-OFF &amp; GRINDING WHEELS FOR METAL FABRICATION &amp; WELDING

VULCAN 

- Great price versus performance ratio
- Longer wheel life
- The general purpose range of cutting-off and grinding wheels

METAL  
INOX

|                                                                                   | TYPE                                                                                           | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.      | PRICE   |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|--------------|---------|
| CUTTING-OFF WHEELS                                                                |                                                                                                |          |           |        |        |              |         |
|  | TYPE 41<br>   | 115      | 1,0x22,23 | A 60 S | 25     | 66252925431  | £000.00 |
|                                                                                   |                                                                                                |          | 1,6x22,23 | A 46 S | 25     | 66252925432  | £000.00 |
|                                                                                   |                                                                                                |          | 2,0x22,23 | A 30 S | 25     | 66252925437  | £000.00 |
|                                                                                   |                                                                                                |          | 2,5x22,23 | A 30 S | 25     | 66252925442  | £000.00 |
|                                                                                   |                                                                                                |          | 3,0x22,23 | A 30 S | 25     | 66252925447  | £000.00 |
|                                                                                   |                                                                                                | 125      | 1,0x22,23 | A 60 S | 25     | 66252925433  | £000.00 |
|                                                                                   |                                                                                                |          | 1,6x22,23 | A 46 S | 25     | 66252925434  | £000.00 |
|                                                                                   |                                                                                                |          | 2,0x22,23 | A 30 S | 25     | 66252925438  | £000.00 |
|                                                                                   |                                                                                                |          | 2,5x22,23 | A 30 S | 25     | 66252925443  | £000.00 |
|                                                                                   |                                                                                                |          | 3,0x22,23 | A 30 S | 25     | 66252925448  | £000.00 |
|                                                                                   | TYPE 42<br> | 150      | 2,0x22,23 | A 30 S | 25     | 66252925439  | £000.00 |
|                                                                                   |                                                                                                |          | 2,5x22,23 | A 30 S | 25     | 66252925444  | £000.00 |
|                                                                                   |                                                                                                | 180      | 1,6x22,23 | A 46 S | 25     | 66252925435  | £000.00 |
|                                                                                   |                                                                                                |          | 2,0x22,23 | A 30 S | 25     | 66252925440  | £000.00 |
|                                                                                   |                                                                                                |          | 2,5x22,23 | A 30 S | 25     | 66252925445  | £000.00 |
|                                                                                   |                                                                                                |          | 3,0x22,23 | A 30 S | 25     | 66252925449  | £000.00 |
|                                                                                   |                                                                                                | 230      | 1,9x22,23 | A 46 S | 25     | 66252925436  | £000.00 |
|                                                                                   |                                                                                                |          | 2,0x22,23 | A 30 S | 25     | 66252925441  | £000.00 |
|                                                                                   |                                                                                                |          | 2,5x22,23 | A 30 S | 25     | 66252925446  | £000.00 |
|                                                                                   |                                                                                                |          | 3,0x22,23 | A 30 R | 25     | 66252840202* | £000.00 |
|                                                                                   |                                                                                                |          | 3,0x22,23 | A 30 S | 25     | 66252925450  | £000.00 |
|                                                                                   |                                                                                                | 100      | 3,2x22,23 | A 30 S | 25     | 66252835417* | £000.00 |
|                                                                                   |                                                                                                | 115      | 2,5x22,23 | A 30 S | 25     | 66252925490  | £000.00 |
|                                                                                   |                                                                                                |          | 3,2x22,23 | A 30 S | 25     | 66252925494  | £000.00 |
|                                                                                   |                                                                                                | 125      | 2,5x22,23 | A 30 S | 25     | 66252925491  | £000.00 |
|                                                                                   |                                                                                                |          | 3,2x22,23 | A 30 S | 25     | 66252925495  | £000.00 |
|                                                                                   |                                                                                                | 150      | 3,2x22,23 | A 30 S | 25     | 66252925496  | £000.00 |
|                                                                                   |                                                                                                | 180      | 2,5x22,23 | A 30 S | 25     | 66252925492  | £000.00 |
|                                                                                   |                                                                                                |          | 3,2x22,23 | A 30 S | 25     | 66252925497  | £000.00 |
|                                                                                   |                                                                                                | 230      | 2,5x22,23 | A 30 S | 25     | 66252925493  | £000.00 |
|                                                                                   |                                                                                                |          | 3,2x22,23 | A 30 S | 25     | 66252925498  | £000.00 |

\* Made-to-order



|                                                                                                                                                                                   | TYPE | DIA (mm) | TxB (mm)   | SPEC   | PK QTY | ART NO.      | PRICE   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------------|--------|--------|--------------|---------|
| GRINDING WHEELS                                                                                                                                                                   |      |          |            |        |        |              |         |
| <br><br>TYPE 27 |      | 100      | 6,4x16,0   | A 30 S | 10     | 66252926667* | £000.00 |
|                                                                                                                                                                                   |      | 115      | 4,0x22,23  | A 30 S | 10     | 66252925518* | £000.00 |
|                                                                                                                                                                                   |      |          | 6,4x22,23  | A 30 S | 10     | 66252925522  | £000.00 |
|                                                                                                                                                                                   |      | 125      | 4,0x22,23  | A 30 S | 10     | 66252925519  | £000.00 |
|                                                                                                                                                                                   |      |          | 6,4x22,23  | A 30 S | 10     | 66252925523  | £000.00 |
|                                                                                                                                                                                   |      |          | 8,0x22,23  | A 30 S | 10     | 66252925524  | £000.00 |
|                                                                                                                                                                                   |      | 150      | 6,4x22,23  | A 30 S | 10     | 66252925525  | £000.00 |
|                                                                                                                                                                                   |      | 180      | 10,0x22,23 | A 30 S | 10     | 66252925528  | £000.00 |
|                                                                                                                                                                                   |      |          | 4,0x22,23  | A 30 S | 10     | 66252925520  | £000.00 |
|                                                                                                                                                                                   |      |          | 6,4x22,23  | A 30 S | 10     | 66252925526  | £000.00 |
|                                                                                                                                                                                   |      |          | 8,0x22,23  | A 30 S | 10     | 66252925527  | £000.00 |
|                                                                                                                                                                                   |      | 230      | 4,0x22,23  | A 30 S | 10     | 66252925521  | £000.00 |
|                                                                                                                                                                                   |      |          | 6,4x22,23  | A 30 S | 10     | 66252925529  | £000.00 |
|                                                                                                                                                                                   |      |          | 8,0x22,23  | A 30 S | 10     | 66252925530  | £000.00 |

\* Made-to-order

## VULCAN FAST CUT ++++

- For use on low power machines
- Soft steel types



|                                                                                                                                                                                       | TYPE | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.      | PRICE   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------|--------|--------|--------------|---------|
| GRINDING WHEELS                                                                                                                                                                       |      |          |           |        |        |              |         |
| <br><br>TYPE 27 |      | 115      | 6,4x22,23 | A 30 P | 10     | 66252830803  | £000.00 |
|                                                                                                                                                                                       |      | 125      | 6,4x22,23 | A 30 P | 10     | 66252830804  | £000.00 |
|                                                                                                                                                                                       |      | 180      | 6,4x22,23 | A 30 P | 10     | 66252830805  | £000.00 |
|                                                                                                                                                                                       |      |          | 8,0x22,23 | A 30 P | 10     | 66252830806* | £000.00 |
|                                                                                                                                                                                       |      | 230      | 6,4x22,23 | A 30 P | 10     | 66252830807  | £000.00 |

\* Made-to-order

## VULCAN ++++



|                                                                                                                                                                                       | TYPE | DIA (mm) | TxB (mm)  | SPEC        | PK QTY | ART NO.      | PRICE   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------|-------------|--------|--------------|---------|
| CUTTING-OFF WHEELS                                                                                                                                                                    |      |          |           |             |        |              |         |
| <br><br>TYPE 41 |      | 115      | 1,0x22,23 | A 60 T Inox | 25     | 66252833400  | £000.00 |
|                                                                                                                                                                                       |      |          | 1,6x22,23 | A 46 T Inox | 25     | 66252833401  | £000.00 |
|                                                                                                                                                                                       |      | 125      | 1,0x22,23 | A 60 T Inox | 25     | 66252833402  | £000.00 |
|                                                                                                                                                                                       |      |          | 1,6x22,23 | A 46 T Inox | 25     | 66252833403  | £000.00 |
|                                                                                                                                                                                       |      |          | 2,5x22,23 | A 30 S Inox | 25     | 66252833409  | £000.00 |
|                                                                                                                                                                                       |      | 150      | 1,6x22,23 | A 46 T Inox | 25     | 66252833404  | £000.00 |
|                                                                                                                                                                                       |      | 180      | 1,6x22,23 | A 46 T Inox | 25     | 66252833405  | £000.00 |
|                                                                                                                                                                                       |      | 230      | 1,9x22,23 | A 46 T Inox | 25     | 66252833406  | £000.00 |
|                                                                                                                                                                                       |      |          | 2,5x22,23 | A 30 S Inox | 25     | 66252925427  | £000.00 |
|                                                                                                                                                                                       |      | 115      | 2,5x22,23 | A 30 S Inox | 25     | 66252925486* | £000.00 |
| <br>TYPE 42                                                                                        |      | 125      | 2,5x22,23 | A 30 S Inox | 25     | 66252925487  | £000.00 |
|                                                                                                                                                                                       |      | 230      | 2,5x22,23 | A 30 S Inox | 25     | 66252925489  | £000.00 |



## CUTTING-OFF &amp; GRINDING WHEELS FOR METAL FABRICATION &amp; WELDING



INOX



|                                                                                   | TYPE                                                                                         | DIA (mm) | TxB (mm)  | SPEC        | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------|-----------|-------------|--------|-------------|---------|
| GRINDING WHEELS                                                                   |                                                                                              |          |           |             |        |             |         |
|  | <br>TYPE 27 | 115      | 6,4x22,23 | A 30 S Inox | 10     | 66252925513 | £000.00 |
|                                                                                   |                                                                                              | 125      | 6,4x22,23 | A 30 S Inox | 10     | 66252925514 | £000.00 |
|                                                                                   |                                                                                              | 180      | 6,4x22,23 | A 30 S Inox | 10     | 66252925516 | £000.00 |
|                                                                                   |                                                                                              | 230      | 6,4x22,23 | A 30 S Inox | 10     | 66252925517 | £000.00 |



STONE



|                                                                                   | TYPE                                                                                         | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.      | PRICE   |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------|-----------|--------|--------|--------------|---------|
| CUTTING-OFF WHEELS                                                                |                                                                                              |          |           |        |        |              |         |
|  | <br>TYPE 41 | 115      | 3,0x22,23 | C 30 R | 25     | 66252925452  | £000.00 |
|                                                                                   |                                                                                              | 125      | 3,0x22,23 | C 30 R | 25     | 66252925453  | £000.00 |
|                                                                                   |                                                                                              | 230      | 3,0x22,23 | C 30 R | 25     | 66252925456  | £000.00 |
|                                                                                   | <br>TYPE 42 | 115      | 3,2x22,23 | C 30 R | 25     | 66252925500  | £000.00 |
|                                                                                   |                                                                                              | 125      | 3,2x22,23 | C 30 R | 25     | 66252925501  | £000.00 |
|                                                                                   |                                                                                              | 180      | 3,2x22,23 | C 30 R | 25     | 66252925502* | £000.00 |
|                                                                                   |                                                                                              | 230      | 3,2x22,23 | C 30 R | 25     | 66252925503  | £000.00 |
|                                                                                   |                                                                                              |          |           |        |        |              |         |

\* Made-to-order



STONE



|                                                                                     | TYPE                                                                                           | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|-------------|---------|
| GRINDING WHEELS                                                                     |                                                                                                |          |           |        |        |             |         |
|  | <br>TYPE 27 | 115      | 6,4x22,23 | C 30 R | 10     | 66252925533 | £000.00 |
|                                                                                     |                                                                                                | 125      | 6,4x22,23 | C 30 R | 10     | 66252925534 | £000.00 |
|                                                                                     |                                                                                                | 180      | 6,4x22,23 | C 30 R | 10     | 66252925535 | £000.00 |
|                                                                                     |                                                                                                | 230      | 6,4x22,23 | C 30 R | 10     | 66252925537 | £000.00 |



# NEON +++

- Good material removal and cut rate
- For general trade and general usage


METAL  
INOX


|                                                                                   | TYPE                                                                              | DIA (mm)                                                                            | TxB (mm)     | SPEC                    | PK QTY      | ART NO.     | PRICE       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|-------------------------|-------------|-------------|-------------|
| CUTTING-OFF WHEELS                                                                |                                                                                   |                                                                                     |              |                         |             |             |             |
|  |  | 115                                                                                 | 1.0x22.23    | A 60 R                  | 25          | 66252842602 | £000.00     |
|                                                                                   |                                                                                   |                                                                                     | 1.6x22.23    | A 60 R                  | 25          | 66252842603 | £000.00     |
|                                                                                   |                                                                                   | 125                                                                                 | 1.0x22.23    | A 60 R                  | 25          | 66252842604 | £000.00     |
|                                                                                   |                                                                                   |                                                                                     | 1.6x22.23    | A 60 R                  | 25          | 66252842605 | £000.00     |
|                                                                                   |                                                                                   | 230                                                                                 | 1.9x22.23    | A 36 R                  | 25          | 66252842606 | £000.00     |
|                                                                                   |                                                                                   | 300                                                                                 | 300x3.5x25.4 | A 30 S<br>PETROL SAW 80 | 25          | 66252844891 | £000.00     |
|                                                                                   |                                                                                   |                                                                                     | 300x3.5x25.4 | A 30 S<br>STATIONARY 80 | 25          | 66252844893 | £000.00     |
|                                                                                   |                                                                                   |                                                                                     | 350x3.0x25.4 | A 30 S<br>CHOP SAW 80   | 25          | 66252844892 | £000.00     |
|                                                                                   |                                                                                   |                                                                                     | 350x3.0x25.4 | A 30 S<br>STATIONARY 80 | 25          | 66252844894 | £000.00     |
|                                                                                   |                                                                                   |  | 115          | 2,5x22,23               | A 24 R      | 25          | 66253370075 |
| 3,2x22,23                                                                         | A 30 S                                                                            |                                                                                     |              | 25                      | 66252844895 | £000.00     |             |
| 125                                                                               | 2,5x22,23                                                                         |                                                                                     | A 24 R       | 25                      | 66253370076 | £000.00     |             |
|                                                                                   | 3,2x22,23                                                                         |                                                                                     | A 30 S       | 25                      | 66252844896 | £000.00     |             |
| 150                                                                               | 2,5x22,23                                                                         |                                                                                     | A 24 R       | 25                      | 66253370084 | £000.00     |             |
| 180                                                                               | 2,5x22,23                                                                         |                                                                                     | A 24 R       | 25                      | 66253370077 | £000.00     |             |
|                                                                                   | 3,2x22,23                                                                         |                                                                                     | A 30 S       | 25                      | 66252844897 | £000.00     |             |
| 230                                                                               | 2,5x22,23                                                                         |                                                                                     | A 24 R       | 25                      | 66253370078 | £000.00     |             |
|                                                                                   | 3,0x22,23                                                                         |                                                                                     | A 30 S       | 25                      | 66252844898 | £000.00     |             |


METAL  
INOX


|                                                                                     | TYPE                                                                                           | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|-------------|---------|
| GRINDING WHEELS                                                                     |                                                                                                |          |           |        |        |             |         |
|  | TYPE 27<br> | 115      | 6,4x22,23 | A 30 P | 10     | 66252844902 | £000.00 |
|                                                                                     |                                                                                                | 125      | 6,4x22,23 | A 30 P | 10     | 66252844903 | £000.00 |
|                                                                                     |                                                                                                | 180      | 6,4x22,23 | A 30 P | 10     | 66252844904 | £000.00 |
|                                                                                     |                                                                                                | 230      | 6,4x22,23 | A 30 P | 10     | 66252844905 | £000.00 |



STONE



|                                                                                     | TYPE                                                                                           | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|-------------|---------|
| CUTTING-OFF WHEELS FOR STONE                                                        |                                                                                                |          |           |        |        |             |         |
|  | TYPE 42<br> | 115      | 2,5x22,23 | C 24 R | 25     | 66253370079 | £000.00 |
|                                                                                     |                                                                                                |          | 3,2x22,23 | C 30 R | 25     | 66252844899 | £000.00 |
|                                                                                     |                                                                                                | 125      | 2,5x22,23 | C 24 R | 25     | 66253370080 | £000.00 |
|                                                                                     |                                                                                                |          | 3,2x22,23 | C 30 R | 25     | 66252844900 | £000.00 |
|                                                                                     |                                                                                                | 150      | 2,5x22,23 | C 24 R | 25     | 66253370081 | £000.00 |
|                                                                                     |                                                                                                | 180      | 2,5x22,23 | C 24 R | 25     | 66253370082 | £000.00 |
|                                                                                     |                                                                                                |          | 2,5x22,23 | C 24 R | 25     | 66253370083 | £000.00 |
|                                                                                     |                                                                                                | 230      | 3,0x22,23 | C 30 R | 25     | 66252844901 | £000.00 |



**NORTON**  
SAINT-GOBAIN

**123**  
ALL IN ONE

+++++

**A46S - BF27**

MAX:  
12,250 rpm  
80 m/s

ACIER, STAHL,  
ACCIAIO,  
S, INOX

90° 30° 15°

METAL  
INOX

Saint-Gobain Abrasives,  
Rue de l'Ambassadeur,  
B.P. 8, 78702 Conflans,  
France

## 1-2-3

### THE ALL IN ONE SOLUTION

- Cut, grind and finish with one wheel
- No lost time due to wheel changing
- Fine grit for a good, uniform finish
- Three layers of reinforcement for maximum safety in use

| TYPE                      | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|---------------------------|----------|-----------|--------|--------|-------------|---------|
| <b>COMBINATION WHEELS</b> |          |           |        |        |             |         |
| TYPE 27                   | 115      | 2,2x22,23 | A 46 S | 25     | 66252829704 | €000.00 |
|                           | 125      | 2,2x22,23 | A 46 S | 25     | 66252921592 | €000.00 |



**NORTON**  
SAINT-GOBAIN

**MULTI MATERIAL**

+++++

**A46T - BF41**

MAX:  
12,250 rpm  
80 m/s

ALU METAL INOX  
STONE C.TILES PVC

90°

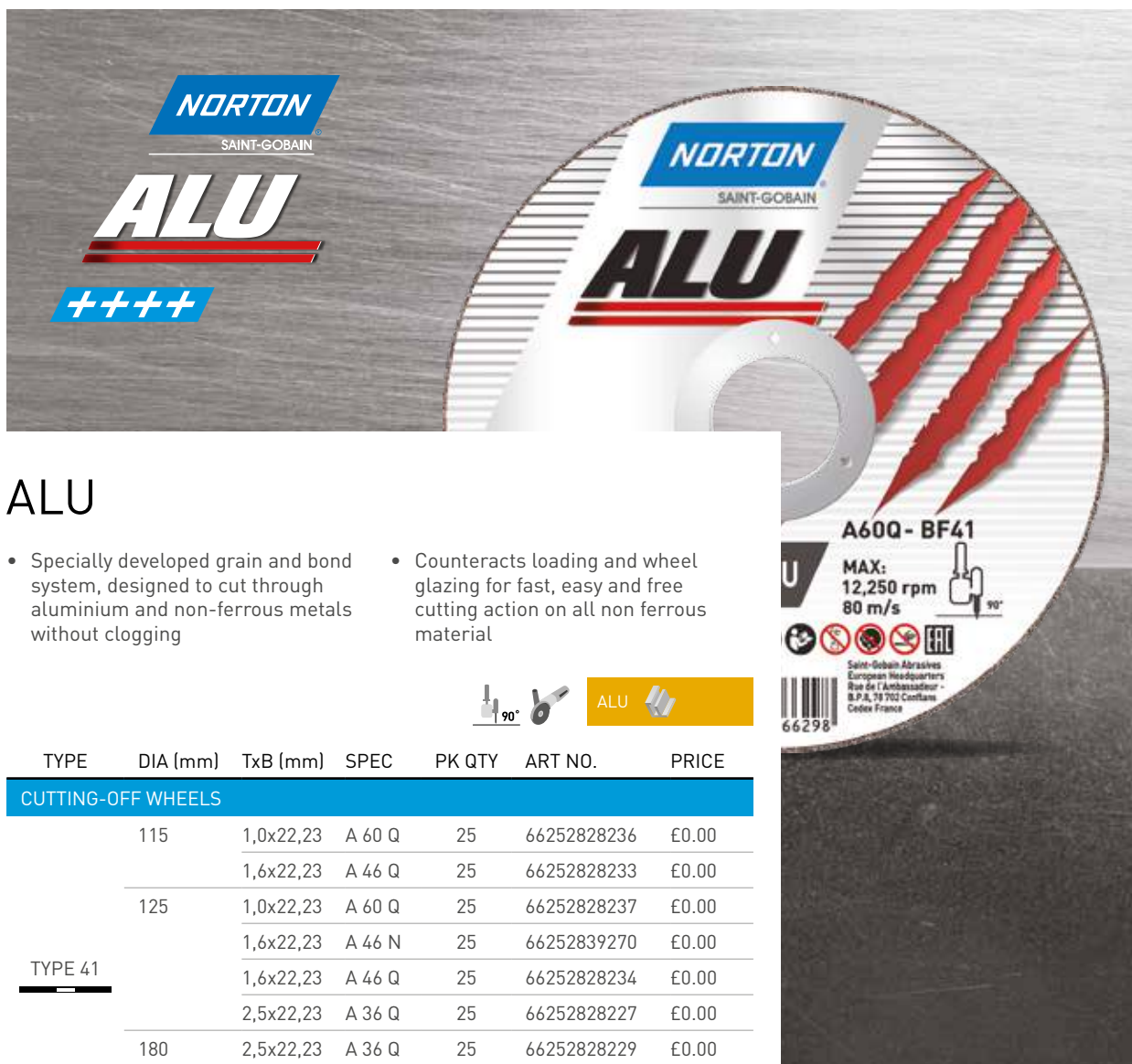
Saint-Gobain Abrasives  
European Headquarters  
Rue de l'Ambassadeur -  
B.P. 8, 78702 Conflans  
Cedex France

## MULTI MATERIAL

- One wheel for all materials
- No lost time due to wheel changing
- The easy choice in general trade
- Quick, comfortable and versatile

| TYPE                      | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|---------------------------|----------|-----------|--------|--------|-------------|---------|
| <b>CUTTING-OFF WHEELS</b> |          |           |        |        |             |         |
|                           | 115      | 1,0x22,23 | C 60 T | 25     | 66252833258 | €000.00 |
|                           |          | 1,6x22,23 | C 46 T | 25     | 66252828951 | €000.00 |
| TYPE 41                   | 125      | 1,0x22,23 | C 60 T | 25     | 66252918924 | €000.00 |
|                           |          | 1,6x22,23 | C 46 T | 25     | 66252828952 | €000.00 |
|                           | 180      | 1,6x22,23 | C 46 T | 25     | 66252926730 | €000.00 |
|                           | 230      | 1,9x22,23 | C 46 T | 25     | 66252918925 | €000.00 |





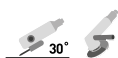
## ALU

- Specially developed grain and bond system, designed to cut through aluminium and non-ferrous metals without clogging
- Counteracts loading and wheel glazing for fast, easy and free cutting action on all non ferrous material



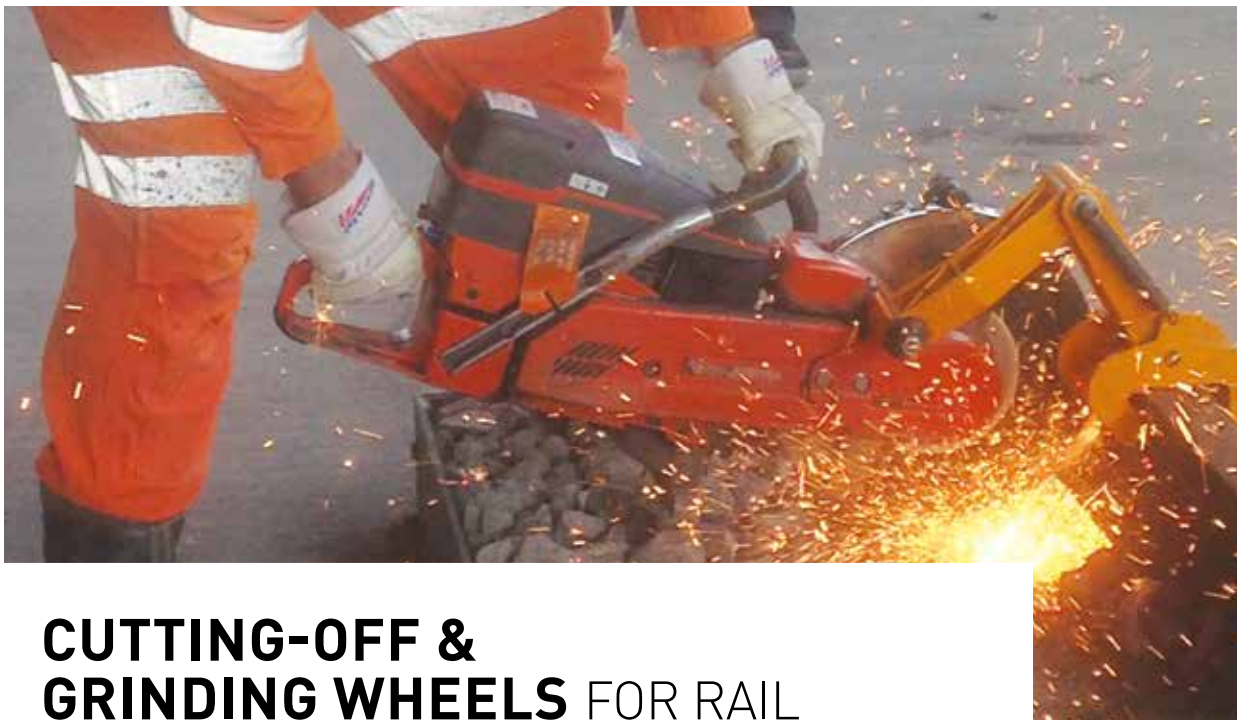
ALU

| TYPE               | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE |
|--------------------|----------|-----------|--------|--------|-------------|-------|
| CUTTING-OFF WHEELS |          |           |        |        |             |       |
| TYPE 41<br>        | 115      | 1,0x22,23 | A 60 Q | 25     | 66252828236 | £0.00 |
|                    |          | 1,6x22,23 | A 46 Q | 25     | 66252828233 | £0.00 |
|                    | 125      | 1,0x22,23 | A 60 Q | 25     | 66252828237 | £0.00 |
|                    |          | 1,6x22,23 | A 46 N | 25     | 66252839270 | £0.00 |
|                    |          | 1,6x22,23 | A 46 Q | 25     | 66252828234 | £0.00 |
|                    |          | 2,5x22,23 | A 36 Q | 25     | 66252828227 | £0.00 |
|                    | 180      | 2,5x22,23 | A 36 Q | 25     | 66252828229 | £0.00 |
|                    | 230      | 1,9x22,23 | A 46 N | 25     | 66252839271 | £0.00 |
|                    |          | 1,9x22,23 | A 46 Q | 25     | 66252828235 | £0.00 |
| TYPE 42<br>        | 230      | 3,0x22,23 | A 36 Q | 25     | 66252828231 | £0.00 |



ALU

| TYPE            | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE |
|-----------------|----------|-----------|--------|--------|-------------|-------|
| GRINDING WHEELS |          |           |        |        |             |       |
| TYPE 27<br>     | 125      | 7,0x22,23 | A 36 Q | 10     | 66252828228 | £0.00 |
|                 | 180      | 7,0x22,23 | A 36 Q | 10     | 66252828230 | £0.00 |
|                 | 230      | 7,0x22,23 | A 36 Q | 10     | 66252828232 | £0.00 |



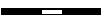
## CUTTING-OFF & GRINDING WHEELS FOR RAIL

The Norton Rail range provides high performance wheels for demanding operations. Rail cutting requires precision, speed and power and Norton Rail is a complete program of cutting wheels suitable for any rail type (subway, tram, train) and any rail cutting machine with a clamping device (electrical and petrol).

### RAIL **+++++** INNOVATION

- For a precise, straight and fast cut on rail, tram and subway track
- Low vibration, consistent performance throughout wheel life
- Hard, medium and soft wheels available
- High quality cut to help generate a perfect weld



|                                                                                     | TYPE    | DIA (mm) | TxB (mm) | SPEC             | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|---------|----------|----------|------------------|--------|-------------|---------|
| CUTTING-OFF WHEELS                                                                  |         |          |          |                  |        |             |         |
|  | TYPE 41 | 350      | 4,0x25,4 | ZA 24 Q Zirconia | 10     | 66252830924 | £000.00 |
|                                                                                     |         | 400      | 4,0x25,4 | ZA 24 Q Zirconia | 10     | 66252833665 | £000.00 |

### RAIL **++++**



|                                                                                     | TYPE    | DIA (mm) | TxB (mm) | SPEC             | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|---------|----------|----------|------------------|--------|-------------|---------|
| CUTTING-OFF WHEELS                                                                  |         |          |          |                  |        |             |         |
|  | TYPE 41 | 350      | 4,0x25,4 | ZA 24 T Zirconia | 10     | 66252832744 | £000.00 |
|                                                                                     |         |          | 4,0x25,4 | A 24 T Hard      | 10     | 66252829588 | £000.00 |
|                                                                                     |         |          | 4,0x25,4 | A 24 P Soft      | 10     | 66252828620 | £000.00 |
|                                                                                     |         |          | 4,0x25,4 | A 24 Q Medium    | 10     | 66252833554 | £000.00 |
|                                                                                     |         | 400      | 4,0x25,4 | A 24 P Soft      | 10     | 66252919130 | £000.00 |
|                                                                                     |         |          |          |                  |        |             |         |



## CUTTING-OFF & GRINDING WHEELS FOR FOUNDRY

Cast iron used in foundry applications requires a specific type of cutting and grinding wheel to achieve a quick and clean cut. Norton Foundry X has been designed to remove the maximum material in the shortest time. Premium zirconia grains and heavy reinforcements ensure that Norton Foundry X performs on the most powerful machines and under pressure in the toughest circumstances.

### FOUNDRY X ++++

- Coarse zirconia grain for rough applications in the toughest environment
- The quickest way to cut castings on both electrical and high frequency grinders
- Comfortable to use thanks to reduced vibration, a highly stable wheel



METAL INOX  
CAST IRON



|                                                                                                                                                                                       | TYPE | DIA (mm) | TxB (mm)  | SPEC                   | PK QTY | ART NO.     | PRICE   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------|------------------------|--------|-------------|---------|
| CUTTING-OFF WHEELS                                                                                                                                                                    |      |          |           |                        |        |             |         |
| <br>TYPE 41<br> |      | 230      | 2,5x22,23 | ZA24R FOUNDRY X        | 25     | 66252839355 | £000.00 |
|                                                                                                                                                                                       |      |          | 2,5x22,23 | ZAC24S FOUNDRY X       | 25     | 66252839350 | £000.00 |
|                                                                                                                                                                                       |      |          | 3,4x22,23 | ZAC24S FOUNDRY X       | 25     | 66252839351 | £000.00 |
|                                                                                                                                                                                       |      | 125      | 3,4x22,23 | ZA30S FOUNDRY X        | 25     | 66252839391 | £000.00 |
|                                                                                                                                                                                       |      | 230      | 2,5x22,23 | ZA24R FOUNDRY X        | 25     | 66252839356 | £000.00 |
|                                                                                                                                                                                       |      |          | 3,4x22,23 | ZA20T FOUNDRY X Hard   | 25     | 66252839347 | £000.00 |
| <br>TYPE 42<br> |      |          | 3,4x22,23 | ZA30S FOUNDRY X Medium | 25     | 66252839348 | £000.00 |
|                                                                                                                                                                                       |      |          | 3,4x22,23 | ZA24R FOUNDRY X Soft   | 25     | 66252839349 | £000.00 |



METAL INOX  
CAST IRON



|                                                                                                                                                                                       | TYPE | DIA (mm) | TxB (mm)  | SPEC            | PK QTY | ART NO.     | PRICE   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------|-----------------|--------|-------------|---------|
| COMBINATION WHEELS                                                                                                                                                                    |      |          |           |                 |        |             |         |
| <br>TYPE 27<br> |      | 230      | 4,0x22,23 | ZA30S FOUNDRY X | 25     | 66252839352 | £000.00 |
|                                                                                                                                                                                       |      |          | 4,5x22,23 | ZA30S FOUNDRY X | 25     | 66252839354 | £000.00 |



## CUTTING-OFF &amp; GRINDING WHEELS FOR FOUNDRY

FOUNDRY X **++++**

- New 180mm and 230mm Foundry X wheels are made with 4 layers of reinforcement to work under the highest side pressure without the risk of breakage
- For use on High Frequency machines for use in enduring applications in the toughest environments



|                                                                                                                                                                        | TYPE | DIA (mm) | TxB (mm)  | SPEC            | PK QTY | ART NO.     | PRICE   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------|-----------------|--------|-------------|---------|
| GRINDING WHEELS                                                                                                                                                        |      |          |           |                 |        |             |         |
| <br> |      | 125      | 7,0x22,23 | ZA24T LONG LIFE | 10     | 66253371176 | £000.00 |
|                                                                                                                                                                        |      | 180      | 7,0x22,23 | ZA24T LONG LIFE | 10     | 66253371162 | £000.00 |
|                                                                                                                                                                        |      |          | 7,0x22,23 | ZA20R COMFORT   | 10     | 66253370493 | £000.00 |
|                                                                                                                                                                        |      | 230      | 7,0x22,23 | AC24Q FOUNDRY X | 10     | 66252839353 | £000.00 |
|                                                                                                                                                                        |      |          | 7,0x22,23 | ZA24T LONG LIFE | 10     | 66253371175 | £000.00 |
|                                                                                                                                                                        |      |          | 7,0x22,23 | ZA20R COMFORT   | 10     | 66252842546 | £000.00 |



High Frequency machines will not reduce in revolutions when grinding pressure is increased. When using high pressure on standard or non-reinforced wheels and machines, the risk of wheel breakage is high. Also, under low pressure, non-reinforced wheels can show cracks due to fatigue within the abrasive running at high revolutions. High Frequency reinforced grinding wheels ensure safe working conditions in all circumstances.

DIALAST **+++++ INNOVATION**

- Long product life reduces downtime and wheel changes, reducing cost and increasing throughput
- Reduces dust and debris as fewer sparks are generated, minimising clean-up
- Diamond grit brazed to the face of the steel core decreases the risk of breakage for safer grinding



|                                                                                                                                                                            | TYPE | DIA (mm) | BORE (mm) | SPEC    | PK QTY | ART NO.     | PRICE   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------|---------|--------|-------------|---------|
| COMBINATION WHEELS                                                                                                                                                         |      |          |           |         |        |             |         |
| <br> |      | 180      | 22,23     | T27 G36 | 1      | 70184602080 | £000.00 |
|                                                                                                                                                                            |      |          | 22,23     | T27 G50 | 1      | 70184602078 | £000.00 |
|                                                                                                                                                                            |      | 230      | 22,23     | T27 G36 | 1      | 70184602081 | £000.00 |
|                                                                                                                                                                            |      |          | 22,23     | T27 G50 | 1      | 70184602079 | £000.00 |



|                                                                                                                                                                            | TYPE | DIA (mm) | BORE (mm) | SPEC    | PK QTY | ART NO.     | PRICE   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------|---------|--------|-------------|---------|
| GRINDING WHEELS                                                                                                                                                            |      |          |           |         |        |             |         |
| <br> |      | 115      | 22,23     | T29 G24 | 1      | 70184602070 | £000.00 |
|                                                                                                                                                                            |      |          | 22,23     | T29 G50 | 1      | 70184602074 | £000.00 |
|                                                                                                                                                                            |      | 125      | 22,23     | T29 G24 | 1      | 70184602071 | £000.00 |
|                                                                                                                                                                            |      |          | 22,23     | T29 G50 | 1      | 70184602075 | £000.00 |
|                                                                                                                                                                            |      | 180      | 22,23     | T29 G24 | 1      | 70184602072 | £000.00 |
|                                                                                                                                                                            |      |          | 22,23     | T29 G50 | 1      | 70184602076 | £000.00 |
|                                                                                                                                                                            |      | 230      | 22,23     | T29 G24 | 1      | 70184602073 | £000.00 |
|                                                                                                                                                                            |      |          | 22,23     | T29 G50 | 1      | 70184602077 | £000.00 |



## CUTTING-OFF & GRINDING WHEELS FOR OFFSHORE & OIL INDUSTRY

The Norton Oil & Gas range has been specially designed for the most demanding applications and off-shore environments. The range is characterized by safety, performance and reliability.

### OIL & GAS ++++

- Long wheel life even in extreme, high pressure applications
- High material removal on high alloys and special steels
- Improved user comfort and supreme safety for use in maintenance and repair applications in off-shore and oil industries



METAL  
INOX



|                                                                                     | TYPE                                                                                           | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|-------------|---------|
| CUTTING-OFF WHEELS                                                                  |                                                                                                |          |           |        |        |             |         |
|  | <br>TYPE 41 | 115      | 1,0x22,23 | A 60 T | 25     | 66252844792 | €000.00 |
|                                                                                     |                                                                                                | 125      | 1,0x22,23 | A 60 T | 25     | 66252844794 | €000.00 |
|                                                                                     |                                                                                                |          | 1,6x22,23 | A 46 T | 25     | 66252844795 | €000.00 |
|                                                                                     |                                                                                                |          | 2,5x22,23 | A 46 T | 25     | 66252844910 | €000.00 |
|                                                                                     |                                                                                                | 180      | 1,6x22,23 | A 46 T | 25     | 66252844796 | €000.00 |
|                                                                                     |                                                                                                |          | 2,5x22,23 | A 46 T | 25     | 66252844911 | €000.00 |
|                                                                                     |                                                                                                | 230      | 1,9x22,23 | A 36 T | 25     | 66252844797 | €000.00 |
|                                                                                     |                                                                                                |          | 2,5x22,23 | A 36 T | 25     | 66252844912 | €000.00 |



METAL  
INOX



|                                                                                     | TYPE                                                                                           | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------|-----------|--------|--------|-------------|---------|
| GRINDING WHEELS                                                                     |                                                                                                |          |           |        |        |             |         |
|  | <br>TYPE 27 | 125      | 7,0x22,23 | A 24 Q | 25     | 66252844789 | €000.00 |
|                                                                                     |                                                                                                | 180      | 7,0x22,23 | A 24 Q | 25     | 66252844790 | €000.00 |
|                                                                                     |                                                                                                | 230      | 7,0x22,23 | A 24 Q | 25     | 66252844791 | €000.00 |



METAL  
INOX



|                                                                                                |      |           |          |      |             |         |       |
|------------------------------------------------------------------------------------------------|------|-----------|----------|------|-------------|---------|-------|
|                                                                                                | TYPE | DIA (mm)  | TxB (mm) | SPEC | PK QTY      | ART NO. | PRICE |
| COMBINATION WHEELS                                                                             |      |           |          |      |             |         |       |
| <br>TYPE 27 | 125  | 4,0x22,23 | A 24 T   | 25   | 66252844815 | £000.00 |       |
|                                                                                                | 180  | 4,0x22,23 | A 24 T   | 25   | 66252844835 | £000.00 |       |



## CUTTING-OFF WHEELS FOR PETROL SAWS

Norton's cutting wheels for petrol saws provide high value and high performance in construction and demolition.

### VULCAN ++++

- General purpose cutting-off wheels for all petrol saw applications

- Straight, fast cutting throughout long wheel life



METAL



|                                                                                     | TYPE    | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.      | PRICE   |
|-------------------------------------------------------------------------------------|---------|----------|-----------|--------|--------|--------------|---------|
| CUTTING-OFF WHEELS                                                                  |         |          |           |        |        |              |         |
|  | TYPE 41 | 300      | 3,5x20,0  | A 30 S | 10     | 66252925457  | £000.00 |
|                                                                                     |         |          | 3,5x22,23 | A 30 S | 10     | 66252925458* | £000.00 |
|                                                                                     |         |          | 3,5x25,4  | A 30 S | 10     | 66252925459* | £000.00 |

\* Made-to-order

### NORLINE ++++

- Large diameter wheels for cutting steel, stone, brick and concrete

- Straight, fast cutting throughout long wheel life



METAL



|                                                                                     | TYPE    | DIA (mm) | TxB (mm)  | SPEC   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|---------|----------|-----------|--------|--------|-------------|---------|
| CUTTING-OFF WHEELS                                                                  |         |          |           |        |        |             |         |
|  | TYPE 41 | 350      | 3,8x20,0  | A 24 T | 10     | 66252829915 | £000.00 |
|                                                                                     |         |          | 3,8x22,23 | A 24 T | 10     | 66252829916 | £000.00 |





## CUTTING-OFF WHEELS FOR CHOP SAWS

Norton's cutting wheels for chop saws provide high value and high performance in construction, fabrication, foundry and maintenance industries.

### VULCAN **++++**

- Clean and straight cutting on portable chop saws and fixed machines
- Mechanical reinforcement for cutting metal and inox safely



METAL  
INOX



|                                                                                     | TYPE    | DIA (mm) | TxB (mm) | SPEC   | PK QTY | ART NO.      | PRICE   |
|-------------------------------------------------------------------------------------|---------|----------|----------|--------|--------|--------------|---------|
| CUTTING-OFF WHEELS                                                                  |         |          |          |        |        |              |         |
|  | TYPE 41 | 300      | 2,8x25,4 | A 30 S | 10     | 66252925460* | £000.00 |
|                                                                                     |         | 350      | 3,0x25,4 | A 30 S | 10     | 66252925462  | £000.00 |
|                                                                                     |         |          | 3,0x32,0 | A 30 S | 10     | 66252925463* | £000.00 |
|                                                                                     |         | 400      | 3,2x25,4 | A 30 S | 10     | 66252925464* | £000.00 |
|                                                                                     |         |          | 3,2x32,0 | A 30 S | 10     | 66252925465* | £000.00 |

\* Made-to-order



## CUTTING-OFF WHEELS FOR STATIONARY MACHINES

Norton's cutting wheels for stationary machines provide high value and high performance in construction, fabrication and foundry industries.

### VULCAN **++++**

- Long wheel life with quick and free cutting
- Cuts without burning, blueing or splintering the metal
- Use under constant power in heavy cut-off applications
- Double, full external mechanical reinforcement for excellent safety and stability



STONE  
CAST IRON



|                    | TYPE | DIA (mm) | TxB (mm) | SPEC   | PK QTY | ART NO.     | PRICE   |
|--------------------|------|----------|----------|--------|--------|-------------|---------|
| CUTTING-OFF WHEELS |      |          |          |        |        |             |         |
|                    |      | 350      | 4,0x32,0 | C 30 R | 10     | 66252925483 | £000.00 |
|                    |      | 400      | 4,5x32,0 | C 30 R | 10     | 66252925484 | £000.00 |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |
|                    |      |          |          |        |        |             |         |

TYPE 41

# TECHNICAL INFORMATION

## SHAPE SPECIFICATION SYSTEM

BF 27



DEPRESSED CENTRE  
GRINDING WHEELS

Available in diameters 76-230mm  
for hand-held machines.

Application: grinding

BF 41

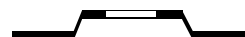


FLAT CUTTING-OFF WHEELS

Available in diameters 50-400mm  
for hand-held machines & 250-  
400mm for stationary machines.

Application: cutting-off

BF 42



DEPRESSED CENTRE  
CUTTING-OFF WHEELS

Available in diameters 76-230mm  
for hand-held machines.

Application: cutting-off

## METAL RING WITH VALIDITY DATE

V = VALIDITY DATE (PRODUCTION QUARTER + 3 YEAR)



V01

1st quarter

V04

2nd quarter

V07

3rd quarter

V10

4th quarter

EXAMPLE:

V04/2021 indicates production in the 2nd quarter of 2018  
and advised usage before the 2nd quarter of 2021

## 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.



Mouth  
Protection



Wear  
Gloves



Eye  
Protection



Ear  
Protection



Read  
Instructions



Damaged  
Wheel –  
Do Not Use



Do not  
Grind



Dry



Do not use  
free handed

## CUTTING-OFF &amp; GRINDING WHEELS TECHNICAL INFORMATION

## 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.

## OPERATING SPEEDS

Norton products are designed and tested for certain applications and operating speeds. Choose a wheel suitable for the application material. Suitable materials are indicated on the wheel label. Before mounting the grinding or cutting-off wheel on the machine, ensure that the operating speed of the machine does not exceed the maximum operating speed as it is marked on the product.

| WHEEL DIAMETER<br>(mm) | SPEED CONVERSION FOLLOWING EN 12413                                                                                      |       |
|------------------------|--------------------------------------------------------------------------------------------------------------------------|-------|
|                        | MAXIMUM OPERATING SPEED (RPM)<br>for resinoid bonded cutting-off & grinding wheels in handheld and stationary operations |       |
|                        | 80                                                                                                                       | 100   |
| 50/51                  | 30600                                                                                                                    | 38200 |
| 63/65                  | 24300                                                                                                                    | 30250 |
| 76                     | 20150                                                                                                                    | 25150 |
| 100/102                | 15300                                                                                                                    | 19100 |
| 115                    | 13300                                                                                                                    | 16650 |
| 125                    | 12250                                                                                                                    | 15300 |
| 150/152                | 10200                                                                                                                    | 12700 |
| 180                    | 8500                                                                                                                     | 10650 |
| 230                    | 6650                                                                                                                     | 8350  |
| 250/254                | 6150                                                                                                                     | 7650  |
| 300/305                | 5100                                                                                                                     | 6400  |
| 350/356                | 4400                                                                                                                     | 5500  |
| 400/406                | 3850                                                                                                                     | 4800  |



## SAFETY ADVICE

### DOs

|                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Always handle & store wheels carefully. Cutting-off wheels should be stacked horizontally & flat, preferably on a steel base plate. Depressed centre wheels should be placed on top of each other or stored in the original packaging                                                                                    |
| Always visually inspect all wheels before mounting for possible damage in transit                                                                                                                                                                                                                                        |
| Always use a safety guard & ensure that it is correctly positioned & securely fitted. It should cover at least one half of the wheel & protect the operator in the unlikely event of a wheel breakage. <b>NON-REINFORCED CUTTING-OFF WHEELS SHOULD ONLY BE USED ON FIXED MACHINES &amp; SHOULD BE CORRECTLY GUARDED.</b> |
| Always switch 'OFF' the power at supply source &/or remove the plug from the socket before changing the wheel                                                                                                                                                                                                            |
| Always ensure that the spindle speed of the machine does not exceed the operating speed marked on the wheel                                                                                                                                                                                                              |
| Always use the correct wheel mounting flanges & ensure that they are undamaged, clean & free from burrs                                                                                                                                                                                                                  |
| SEE EN 12413                                                                                                                                                                                                                                                                                                             |
| Allow newly mounted wheels to run at operating speed, with the guard in place, for a reasonable time before cutting or grinding                                                                                                                                                                                          |
| Always wear EYE PROTECTION                                                                                                                                                                                                                                                                                               |
| Always wear appropriate safety clothing such as DUST MASK, GLOVES, EAR PROTECTION, OVERALLS & SAFETY SHOES                                                                                                                                                                                                               |
| Always have machine speeds checked regularly, especially after maintenance or repair. Machines fitted with speed control devices (Governors), must be properly maintained at all times                                                                                                                                   |
| Check tension of driving belts, where fitted, on a regular basis. Belts must be kept tight to ensure full power transmission.                                                                                                                                                                                            |
| Always secure the workpiece firmly while it is being cut or ground                                                                                                                                                                                                                                                       |
| Put portable machines in suitable cradles, when not being used, to avoid damage to the wheel                                                                                                                                                                                                                             |
| Always use a portable machine in a comfortable position, where the workpiece is well balanced & the machine is well supported                                                                                                                                                                                            |
| Grind at an angle above 30 degrees to the workpiece with a depressed centre grinding wheel                                                                                                                                                                                                                               |
| Keep the working area around cutting & grinding operations clear. It is very dangerous if an operator trips & falls with an operating machine in his hands                                                                                                                                                               |

### DON'Ts

|                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handle wheels roughly                                                                                                                                                                                  |
| Use non-reinforced cutting-off wheels on portable machines                                                                                                                                             |
| Store wheels in a damp atmosphere or in extreme temperatures                                                                                                                                           |
| Mount a damaged wheel                                                                                                                                                                                  |
| Tighten the mounting nut or locking flange excessively. To do so can distort the flanges                                                                                                               |
| Force a wheel onto a machine spindle                                                                                                                                                                   |
| Use mounting flanges which are incorrect, damaged, dirty or burred                                                                                                                                     |
| Use blotters with depressed centre wheels less than or equal to 406mm (EN 12413)                                                                                                                       |
| Use a machine which is not in good mechanical condition                                                                                                                                                |
| Use a machine without a wheel guard                                                                                                                                                                    |
| Use wheels without proper ventilation or dust protection equipment                                                                                                                                     |
| Apply side pressure to cutting-off wheels. You should not bend the wheel                                                                                                                               |
| Stop the wheel by applying pressure to the periphery or face. Always switch the machine off & allow the wheel to stop revolving                                                                        |
| Allow the wheel to be trapped or pinched in the cut                                                                                                                                                    |
| Apply excessive pressure onto the wheel so that the driving motor slows down                                                                                                                           |
| Grind on the side of cutting-off wheels or depressed centre wheels below 4,0mm thickness                                                                                                               |
| Drop or lower a portable machine by the cable or airline onto the floor. A wheel can be easily cracked, if it is put down hard, by the weight of the machine. This is a common cause of wheel breakage |
| Grind with a depressed centre grinding wheel at an angle below 30 degrees to the workpiece                                                                                                             |
| Use a machine in a position where you do not have full control of the machine & you are not well balanced                                                                                              |



The Norton logo is displayed in white, bold, italicized capital letters within a blue parallelogram shape.

SAINT-GOBAIN®

COATED  
ABRASIVES

# COATED ABRASIVES

Introduction

## DISCS FOR ANGLE GRINDERS

Introduction

Fibre discs

Flap discs

Semi-flexible discs

Rapid Strip

Rapid Blend

Rapid Prep

Polishing discs

## DISCS FOR MINI ANGLE GRINDERS

Speedlok discs

Mini Flap discs

Non-Woven Speedlok discs

Rapid Strip Speedlok discs

Rapid Blend Speedlok discs

Rapid Prep Speedlok discs

Speedlok Buffing & Polishing discs

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Convolute wheels

Rapid Strip wheels

Rapid Blend unitised wheels

High strength discs

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Norton Meshpower

Beartex rolls

Rotolo Foam rolls

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Norton Meshpower

Beartex sheets & hand pads

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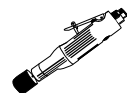
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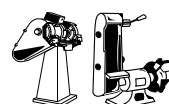
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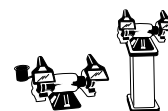
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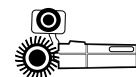
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† To help better describe the abrasive fixing system we have changed the name from 'NorGrip' to 'Self-Grip'.

# INTRODUCTION

The Norton coated abrasive and Beartex 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

|         |                    |        |        |
|---------|--------------------|--------|--------|
| R       | 9                  | 2      | 9      |
| BACKING | PRINCIPAL ABRASIVE | COATED | RANDOM |

**BACKING**

- A - Light Paper
- F - Fibre
- G - Heavy Paper
- H - Heavy Paper
- K - Cloth
- Q - Various (e.g. Screenback & Film)
- R - Cloth
- S - Combination
- T - Waterproof Paper
- U - Norax
- W - Special (Cork)

**PRINCIPAL ABRASIVE**

- 1 - Aluminium Oxide
- 2 - Aluminium Oxide
- 3 - Aluminium Oxide
- 4 - Silicon Carbide
- 6 - Emery
- 7 - Flint
- 8 - Zirconia Alumina
- 9 - SG - Ceramic Aluminium Oxide

**COATED**

- Odd Number - Open coat
- Even number - Closed coat

**RANDOM**

Differentiates different products within the same product group

**BACKING TYPES**

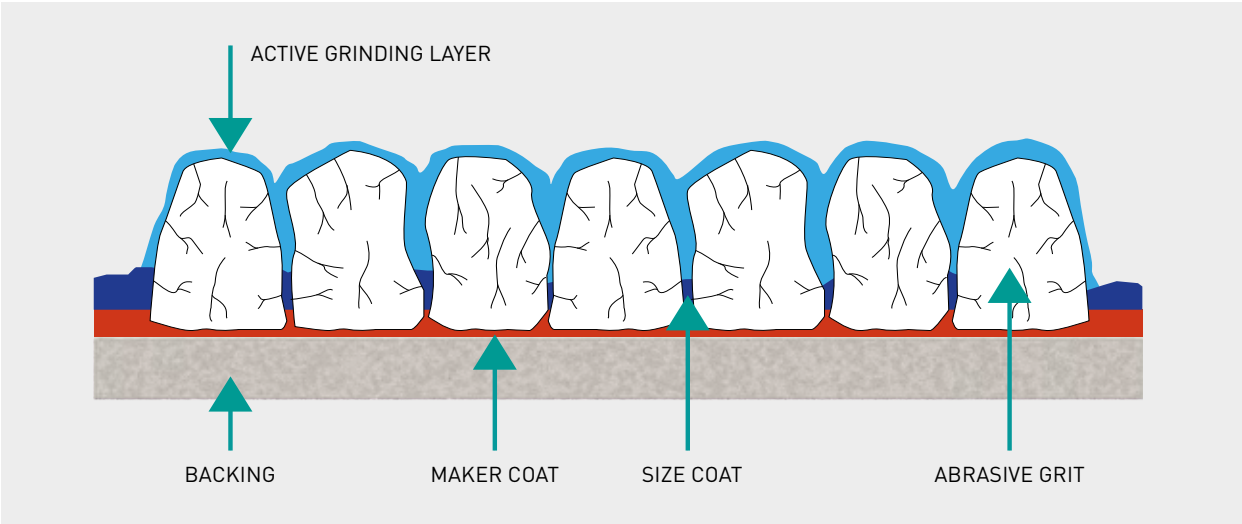
Whether paper, cloth, vulcanised fibre or polyester film, the backing must be smooth enough for uniform adhesive coating, strong enough to withstand grinding pressures and flexible enough to conform to contours if necessary.

**ABRASIVE 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.

**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.



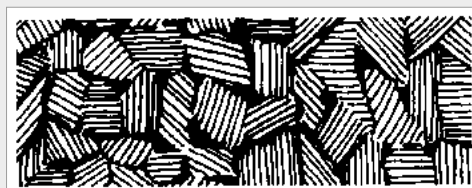
## ABRASIVE GRAIN DISTRIBUTION

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



OPEN COAT  
(1/3 LESS GRAIN THAN CLOSED)



CLOSED COAT

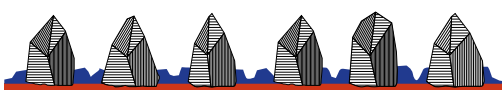
## SPECIAL COATED SURFACE TREATMENT NO-FIL TREATMENT

In order to provide even further resistance to loading, some Opencoat 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.

## ABRASIVE GRAIN TYPES

| GRAIN TYPE              | BOND / TOUGHNESS       | STRUCTURE              | PROPERTIES / WEAR PROPERTIES                                                                                                                                |
|-------------------------|------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SILICONE CARBIDE [SiC]  | Very hard / less tough | Crystalline            | Sharp-edged, brittle, highly friable / micro wear<br>                   |
| ALUMINIUM OXIDE         | Hard / tough           | Crystalline, irregular | Wedge-shaped, block grain, even wear<br>                                |
| ZIRCONIA ALUMINA        | Hard / very tough      | Crystalline, even      | Wedge-shaped, block, drop formed grit / micro wear, self-sharpening<br> |
| CERAMIC ALUMINIUM OXIDE | Hard / very tough      | Micro crystalline      | Sharp-edged, pointed grit / micro wear, self sharpening<br>             |

## COATED ABRASIVES

### 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.





## 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.

### 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.

### 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

### 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.

# INTRODUCTION TO BEARTEX NON-WOVEN PRODUCTS

Beartex consists of a backing in “non-woven” nylon fibers 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: BearTex 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 BearTex product is decidedly a must.

## UNDERSTANDING THE NON-WOVEN CAP CODE SYSTEM

| RapidFinish<br>Convolute S/C<br>[Silicon Carbide]<br>FINE               |                                                    |                     |                            |                                                                     |                                                                |
|-------------------------------------------------------------------------|----------------------------------------------------|---------------------|----------------------------|---------------------------------------------------------------------|----------------------------------------------------------------|
| C                      4                      4                      15 |                                                    |                     |                            |                                                                     |                                                                |
| MARKETING<br>PRODUCT NAME                                               | MARKETING<br>CAP CODE FAMILY                       | TYPE OF<br>MATERIAL | GRAIN                      | GRADE                                                               | INTERNAL<br>DIFFERENTIATION                                    |
| Bear-Tex                                                                | Flat Stock                                         | F                   | 0 - No Grain               | 0 - No Grit                                                         | Consecutive<br>numbers used<br>for internal<br>differentiation |
| Rapid Blend-Unified                                                     | Utitized / Unified                                 | U                   | 1 - A/O White              | 1 - Extra Coarse                                                    |                                                                |
| Rapid Strip                                                             | Rapid Strip                                        | R                   | 2 - A/O Brown              | 2 - Coarse                                                          |                                                                |
| Rapid Prep-Surface<br>Conditioning                                      | SCM Surface<br>Conditioning<br>Material / Blending | S                   | 4 - S/C                    | 3 - Med.                                                            |                                                                |
| Rapid Finish-Convolute                                                  | Convolute                                          | C                   | 5 - Garnet                 | 4 - Fine                                                            |                                                                |
| Floor pads                                                              | Floor Maintenance                                  | JF                  | 7 - Diamond<br>9 - Ceramic | 5 - Very Fine<br>6 - Ultra Fine<br>7 - Super Fine<br>8 - Micro Fine |                                                                |

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

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

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

### BEARTEX PRODUCTS CAN BE USED ON A WIDE VARIETY OF SURFACES

- Aluminium
- 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



**NORTON**

SAINT-GOBAIN

COATED  
ABRASIVES

# DISCS FOR ANGLE GRINDERS

|                   |    |                     |    |
|-------------------|----|---------------------|----|
| Introduction      | 46 | Semi-flexible discs | 62 |
| Fibre discs       | 49 | Rapid Strip         | 63 |
| Flap discs        | 54 | Rapid Blend         | 64 |
| Curved flap discs | 61 | Rapid Prep          | 66 |
|                   |    | Polishing discs     | 69 |



## COATED ABRASIVE DISCS FOR ANGLE GRINDERS

Norton has a complete range of high performance Flap and Fibre discs available in premium performance Norton SG ceramic aluminium oxide, zirconia alumina, silicon carbide, and aluminium oxide abrasives. For everything from heavy-to-medium stock removal, to fine finishing, to light blending and polishing, coated abrasive Flap and Fibre discs are available in many shapes, abrasive grains, specialty coatings and backing configurations to meet many application needs.

From within our range you will find the perfect Coated disc for every Performance/Price Level, supported by a wide range of Accessories to optimise your choice.

We have provided Selection Guides and charts to help you find the right product for your needs and don't forget our new Innovations highlighted throughout this powerful range. We also included SPEC Checks to provide you with helpful hints and tips when using the products.

## WHY CHOOSE FLAP DISCS?

Flap discs are a versatile abrasive tools that can be used for applications ranging from stock removal to blending.

### FLAP DISCS VS. GRINDING WHEELS

- Faster stock removal
- Smoother finish, no gouging
- Cooler cutting, less glazing
- Lightweight, easier to control
- Less vibration, less operator fatigue
- Reduced noise

### FLAP DISCS VS. FIBER DISCS

- 20X longer life, reduced abrasive cost
- Fewer disc changes, reduced labour cost
- More consistent finish
- No back-up pad required
- Easier storage, no curling
- Reduced loading
- Use flap discs one grit size coarser than fibre discs, except in 40 grit.





## NON-WOVEN DISCS FOR ANGLE GRINDERS

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

## WHY CHOOSE NON-WOVEN DEPRESSED CENTRE DISCS?

### NON-WOVEN RIGHT ANGLE DISCS VERSUS FIBRE DISCS, WIRE BRUSHES AND DEPRESSED CENTRE WHEELS

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

RECOMMENDATION GUIDE FOR  
NON-WOVEN DISCS ON ANGLE GRINDER

| APPLICATION                                                   | HIGHEST PRODUCTIVITY.<br>LOWEST TOTAL COST | EXCELLENT BLEND<br>OF PERFORMANCE<br>& PRICE | CONSISTENT<br>PERFORMANCE.<br>LOW INITIAL PRICE |
|---------------------------------------------------------------|--------------------------------------------|----------------------------------------------|-------------------------------------------------|
|                                                               | +++++                                      | ++++                                         | +++                                             |
| Removing scale and coarse welding marks                       | Blaze Rapid Strip<br>Ceramic extra coarse  | -                                            | Rapid Strip<br>S/C extra coarse                 |
| Removing coatings, epoxy/glue, paint                          |                                            | -                                            |                                                 |
| Removing rust, oxidation, corrosion and residue               |                                            | -                                            |                                                 |
| Removing parting lines and seams on fiberglass parts          |                                            | -                                            |                                                 |
| Removing paint/graffiti from concrete/stone                   |                                            | -                                            |                                                 |
| Removing weld marks and weld splatter                         | -                                          | Vortex Rapid Blend<br>5A medium              | Rapid Prep<br>A/O coarse                        |
| Stainless steel deburring and cleaning                        | -                                          |                                              | Rapid Prep<br>A/O coarse                        |
| Removing small flashings and parting lines                    | -                                          |                                              | Rapid Prep<br>A/O coarse                        |
| Surface preparation before coatings/plating                   | -                                          | Vortex Rapid Prep<br>A/O medium              | Rapid Prep<br>A/O medium                        |
| Light cleaning                                                | -                                          | Vortex Rapid Prep<br>A/O medium              | Rapid Prep<br>A/O medium                        |
| Cleaning and preparing welds                                  | -                                          | Vortex Rapid Prep<br>A/O fine                | Rapid Prep<br>A/O fine                          |
| Removing blemishes after welding stainless steel              | -                                          | Vortex Rapid Prep<br>A/O fine                | Rapid Prep<br>A/O fine                          |
| Blending and finishing all metal parts                        | -                                          | Vortex Rapid Prep<br>A/O very fine           | Rapid Blend<br>NEX 2SF                          |
| Creating decorative finishes on stainless steel               | -                                          | Vortex Rapid Prep<br>A/O very fine           | Rapid Blend<br>NEX 2SF                          |
| Final finishing and polishing                                 | -                                          | Vortex Rapid Prep<br>A/O very fine           | Rapid Blend<br>NEX 2SF                          |
| Final finishing/polishing where high conformability is needed | -                                          | -                                            | Rapid Blend<br>NEX 2SF                          |





## FIBRE DISCS FOR ANGLE GRINDERS

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, silicon carbide, and aluminium oxide abrasives.

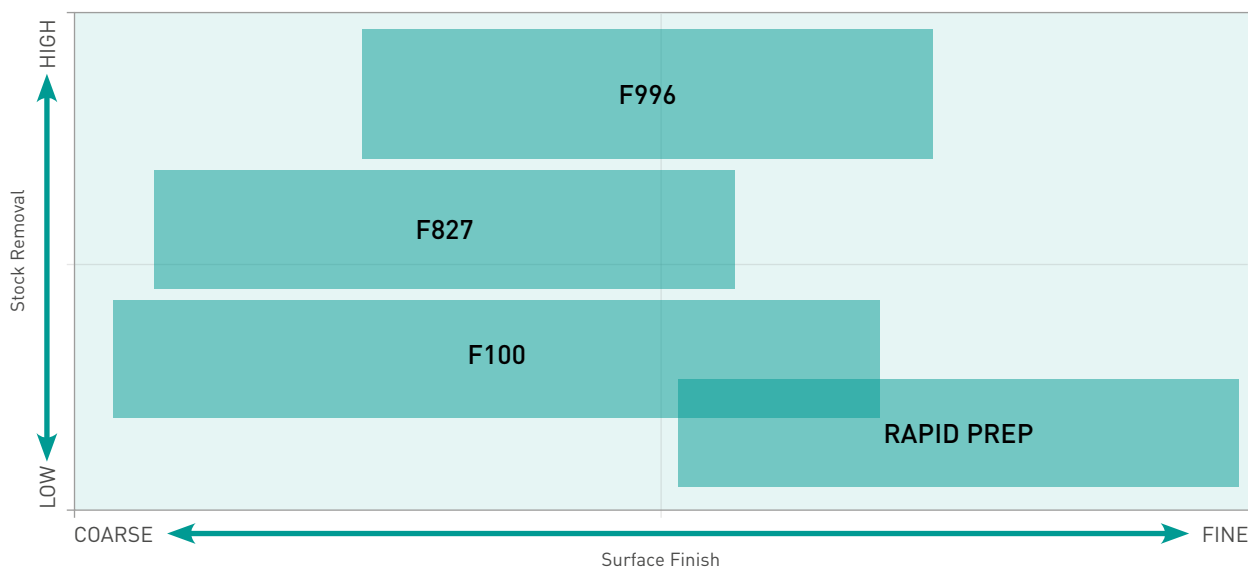
### PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ○

|                                     |  |  |  |
|-------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                     | NORTON<br>QUANTUM F996                                                              | NORZON<br>F827                                                                       | METAL<br>F100                                                                         |
| MATERIALS                           | +++++                                                                               | ++++                                                                                 | +++                                                                                   |
| Stainless steel, inox               | ●                                                                                   | ○                                                                                    |                                                                                       |
| Titanium, inconel & super alloys    | ●                                                                                   | ○                                                                                    |                                                                                       |
| Carbon, construction & mild steel   | ●                                                                                   | ●                                                                                    | ○                                                                                     |
| Cast iron                           | ○                                                                                   | ●                                                                                    | ○                                                                                     |
| Non-ferrous metal (brass/aluminium) |                                                                                     | ○                                                                                    | ○                                                                                     |
| Hard wood                           |                                                                                     | ●                                                                                    | ○                                                                                     |

## FIBRE DISCS FOR ANGLE GRINDERS

## PRODUCT COMPARISON CHART

NORTON QUANTUM F996 **+++++**

- Ideal for cool grinding on stainless steel and heat-resistant steels
- Especially suitable for heavy duty applications
- Exceptionally high material removal & long life
- Generates an excellent surface finish



|                                                                                     | SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-----------|------|--------|-------------|---------|
|  | 115x22    | 36   | 25     | 66623327494 | £000.00 |
|                                                                                     |           | 50   | 25     | 66623327496 | £000.00 |
|                                                                                     |           | 60   | 25     | 66623327497 | £000.00 |
|                                                                                     |           | 80   | 25     | 66623327499 | £000.00 |
|                                                                                     |           | 120  | 25     | 66623327500 | £000.00 |
|                                                                                     | 125x22    | 36   | 25     | 66623327501 | £000.00 |
|                                                                                     |           | 50   | 25     | 66623327502 | £000.00 |
|                                                                                     |           | 60   | 25     | 66623327503 | £000.00 |
|                                                                                     |           | 80   | 25     | 66623327504 | £000.00 |
|                                                                                     |           | 120  | 25     | 66623327505 | £000.00 |
| <b>NEW SIZE</b>                                                                     | 150x22    | 36   | 25     | 66623381328 | £000.00 |
|                                                                                     |           | 60   | 25     | 66623399637 | £000.00 |
|                                                                                     |           | 80   | 25     | 66261138545 | £000.00 |
|                                                                                     | 180x22    | 36   | 25     | 66623327506 | £000.00 |
|                                                                                     |           | 50   | 25     | 66623327507 | £000.00 |
|                                                                                     |           | 60   | 25     | 66623327508 | £000.00 |
|                                                                                     |           | 80   | 25     | 66623327509 | £000.00 |
|                                                                                     |           | 120  | 25     | 66623327510 | £000.00 |



Grinding on stainless generates a considerable amount of heat; always use a Norton Quantum disc with 'supersize' layer, a grinding aid added to the disc to reduce heat generation and improve cut and finish quality. Typically, a coarse grit disc is used when grinding MIG welds and a finer grit disc is used when grinding TIG welds.



## NORZON F827

- High stock removal rate for rough grinding and deburring of steel and stainless steel
- Norzon abrasive with self-sharpening effect
- High & regular cut rate at medium pressures
- Excellent price-performance ratio



|                                                                                   | SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-----------|------|--------|-------------|---------|
|  | 115x22    | 24   | 25     | 69957360048 | £000.00 |
|                                                                                   |           | 36   | 25     | 63642539615 | £000.00 |
|                                                                                   |           | 50   | 25     | 69957360053 | £000.00 |
|                                                                                   |           | 60   | 25     | 63642539616 | £000.00 |
|                                                                                   |           | 80   | 25     | 63642539617 | £000.00 |
|                                                                                   |           | 120  | 25     | 63642533055 | £000.00 |
|                                                                                   | 125x22    | 24   | 25     | 63642539619 | £000.00 |
|                                                                                   |           | 36   | 25     | 63642536483 | £000.00 |
|                                                                                   |           | 50   | 25     | 63642539620 | £000.00 |
|                                                                                   |           | 60   | 25     | 69957360057 | £000.00 |
|                                                                                   |           | 80   | 25     | 63642539622 | £000.00 |
|                                                                                   |           | 100  | 25     | 63642536484 | £000.00 |
|                                                                                   | 180x22    | 24   | 25     | 63642533062 | £000.00 |
|                                                                                   |           | 36   | 25     | 63642533063 | £000.00 |
|                                                                                   |           | 50   | 25     | 63642533064 | £000.00 |
|                                                                                   |           | 60   | 25     | 63642533065 | £000.00 |
|                                                                                   |           | 80   | 25     | 63642533066 | £000.00 |
|                                                                                   |           | 120  | 25     | 63642533068 | £000.00 |



Using a supersized disc is not necessary on carbon steel due to less heat generated than that produced on stainless steel. Mild steels are much softer so the abrasive disc will last longer. Norton Norzon fibre discs are the better choice for carbon steel.

## F100 METAL

- Versatile abrasive fibre discs for processing steel and metal alloys
- Tough & versatile aluminium oxide abrasive
- Increased stock removal rate for rough grinding and deburring
- Wide selection of grit sizes and diameters



|                                                                                     | SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-----------|------|--------|-------------|---------|
|  | 115 x 22  | 16   | 25     | 66623385735 | £000.00 |
|                                                                                     |           | 24   | 25     | 66623385738 | £000.00 |
|                                                                                     |           | 36   | 25     | 66623385741 | £000.00 |
|                                                                                     |           | 40   | 25     | 66623385745 | £000.00 |
|                                                                                     |           | 50   | 25     | 66623385747 | £000.00 |
|                                                                                     |           | 60   | 25     | 66623385748 | £000.00 |
|                                                                                     |           | 80   | 25     | 66623385750 | £000.00 |
|                                                                                     |           | 100  | 25     | 66623385751 | £000.00 |
|                                                                                     |           | 120  | 25     | 66623385757 | £000.00 |
|                                                                                     | 125 x 22  | 16   | 25     | 66623385761 | £000.00 |
|                                                                                     |           | 24   | 25     | 66623385764 | £000.00 |
|                                                                                     |           | 36   | 25     | 66623385768 | £000.00 |
|                                                                                     |           | 40   | 25     | 66623385770 | £000.00 |

**FIBRE DISC BACK-UP PADS FOR ANGLE GRINDERS**

| SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------|------|--------|-------------|---------|
| 125 x 22  | 50   | 25     | 66623385773 | £000.00 |
|           | 60   | 25     | 66623385775 | £000.00 |
|           | 80   | 25     | 66623385776 | £000.00 |
|           | 100  | 25     | 66623385778 | £000.00 |
|           | 120  | 25     | 66623385779 | £000.00 |
|           |      |        |             |         |
| 180 x 22  | 16   | 25     | 66623385755 | £000.00 |
|           | 24   | 25     | 66623385758 | £000.00 |
|           | 36   | 25     | 66623385760 | £000.00 |
|           | 40   | 25     | 66623385752 | £000.00 |
|           | 50   | 25     | 66623385793 | £000.00 |
|           | 60   | 25     | 66623385749 | £000.00 |
|           | 80   | 25     | 66623385746 | £000.00 |
|           | 100  | 25     | 66623385744 | £000.00 |
|           | 120  | 25     | 66623385739 | £000.00 |
|           |      |        |             |         |
|           |      |        |             |         |
|           |      |        |             |         |



## AIR COOLED BACK-UP PADS

- For tougher grinding operations
- Hard pad with cooling ribs for improved disc life
- Grits 16+ and finer

| SIZE (mm) | THREAD | DENSITY | MAX. RPM | PK QTY | ART NO.     | PRICE   |
|-----------|--------|---------|----------|--------|-------------|---------|
| 115       | M14    | Rigid   | 13300    | 1      | 69957382821 | £000.00 |
| 125       | M14    | Rigid   | 12200    | 1      | 69957382823 | £000.00 |
| 180       | M14    | Rigid   | 8500     | 1      | 69957382824 | £000.00 |
|           | 5/8    | Rigid   | 8500     | 1      | 63642588243 | £000.00 |



## NYLON FIBREGLASS REINFORCED BACK-UP PADS

- The curved ribs keep the pad and abrasive cooler while retaining a level of flexibility across the pad.
- For tougher grinding operations
- Conforms ISO 15636
- Grits 36+ and finer

| SIZE (mm) | THREAD | DENSITY | MAX. RPM | PK QTY | ART NO.     | PRICE   |
|-----------|--------|---------|----------|--------|-------------|---------|
| 115       | M14    | Hard    | 13300    | 5      | 66623376727 | £000.00 |
| 125       | M14    | Hard    | 12200    | 5      | 66623376821 | £000.00 |
|           | 5/8    | Hard    | 12200    | 5      | 66623377068 | £000.00 |
| 150       | M14    | Hard    | 10200    | 5      | 69957309184 | £000.00 |
| 180       | M14    | Hard    | 8500     | 5      | 66623376822 | £000.00 |
|           | 5/8    | Hard    | 8500     | 5      | 66623377069 | £000.00 |



## NYLON BACK-UP PADS

- For universal use
- Conforms to ISO 15636
- Grits 60+ and finer

| SIZE (mm) | THREAD | DENSITY | MAX. RPM | PK QTY | ART NO.     | PRICE   |
|-----------|--------|---------|----------|--------|-------------|---------|
| 115       | M14    | Hard    | 13300    | 5      | 69957382828 | £000.00 |
|           | M14    | Medium  | 13300    | 5      | 69957382825 | £000.00 |
| 125       | M14    | Hard    | 12200    | 5      | 69957382829 | £000.00 |
|           | M14    | Medium  | 12200    | 5      | 69957382826 | £000.00 |
| 180       | M14    | Hard    | 8500     | 5      | 69957382830 | £000.00 |
|           | 5/8    | Medium  | 8500     | 5      | 63642588345 | £000.00 |
|           | M14    | Medium  | 8500     | 5      | 69957382827 | £000.00 |



## FIBRE DISC BACK-UP PAD DENSITY GUIDE



**RIGID** suitable for tough grinding operations & where very high stock removal is required such as chamfering.



**HARD DENSITY** suitable for coarse applications and higher stock removal such as chamfering, welded seam or deburring work.



**MEDIUM DENSITY** suitable for medium/fine applications such as edge rounding or surface grinding.



## FLAP DISCS FOR ANGLE GRINDERS

Norton flap discs are engineered for light stock removal, edge chamfering, deburring, blending and finishing, reducing processing time and lowering total abrasive costs. Flap discs cut faster and provide a better finish than fibre discs while having the added benefit of longer life thanks to the flap construction.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ○



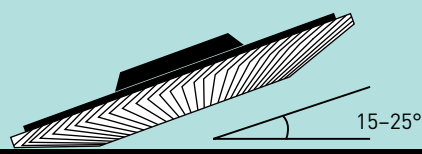
| MATERIALS                           | N QUANTUM<br>MP R928 | N QUANTUM<br>R996 | NORSTAR QC<br>RX22/R822 | VULCAN<br>R842 | VULCAN<br>R265D | NEON<br>R82B |
|-------------------------------------|----------------------|-------------------|-------------------------|----------------|-----------------|--------------|
|                                     | +++++                | +++++             | +++++                   | ++++           | ++++            | +++          |
| Stainless steel, inox & duplex      | ●                    | ●                 | ○                       | ○              |                 |              |
| Inconel, titanium & super alloys    | ●                    | ●                 | ○                       | ○              |                 |              |
| Carbon, construction & mild steels  | ●                    | ●                 | ●                       | ●              | ●               | ○            |
| Cast Iron                           | ○                    |                   | ●                       | ●              | ●               | ●            |
| Non-ferrous metal (brass/aluminium) |                      |                   |                         |                | ○               | ●            |
| Hard & soft wood                    |                      |                   |                         |                | ●               | ●            |

## DISC SHAPES

### TYPE 29 CONICAL



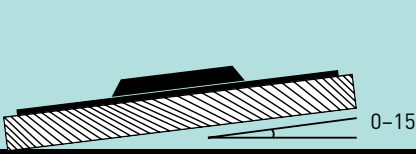
- For both contoured surfaces & edge work
- Angled flaps provide greater contact when removing stock on flat surfaces
- The best choice for fast stock removal



### TYPE 27 FLAT



- For use on flat surfaces
- Best choice for blending & finishing







## NORTON QUANTUM MAXIMUM PERFORMANCE R928

Norton Quantum R928 pink high performance flap discs, with polycotton cloth backing and ceramic grain, provide an improved cut rate and product life compared to both premium zirconium discs and ceramic products in the market, thanks to its high density configuration.

These discs also feature an additional supersize layer for cooler cutting, reducing heat generation during use for better part quality first and every time.

Norton Quantum R928 is ideal for fast grinding when used at medium pressure on stainless steel or harder metals.



Grinding on stainless steel generates a considerable amount of heat; always use a Norton Quantum disc with 'supersize' layer, a grinding aid added to the disc to reduce heat generation and improve cut and finish quality. Typically, a coarse grit disc is used when grinding MIG welds where a finer grit disc is used when grinding TIG welds.

| FIBRE GLASS BACKED                                                                  | SIZE (mm) | GRIT | PK QTY | METAL INOX  |         |
|-------------------------------------------------------------------------------------|-----------|------|--------|-------------|---------|
|                                                                                     |           |      |        | CONICAL     |         |
|  | 115 x 22  | 40   | 10     | 66261143333 | £000.00 |
|                                                                                     |           | 60   | 10     | 66261143336 | £000.00 |
|                                                                                     |           | 80   | 10     | 66261143337 | £000.00 |
|                                                                                     |           | 120  | 10     | 66261143338 | £000.00 |
|                                                                                     | 125 x 22  | 40   | 10     | 66261143339 | £000.00 |
|                                                                                     |           | 60   | 10     | 66261143340 | £000.00 |
|                                                                                     |           | 80   | 10     | 66261143341 | £000.00 |
|                                                                                     |           | 120  | 10     | 66261143343 | £000.00 |
|                                                                                     | 180 x 22  | 40   | 10     | 66261143344 | £000.00 |
|                                                                                     |           | 60   | 10     | 66261143345 | £000.00 |
|                                                                                     |           | 80   | 10     | 66261143346 | £000.00 |
|                                                                                     |           | 120  | 10     | 66261143347 | £000.00 |



For heavy & fast material removal, has long life



Perfect for fast edge chamfering and de-burring



Supersize layer for a cooler cut & reduced heat generation during use, providing better part quality and no burn marks

## FLAP DISCS FOR ANGLE GRINDERS

### NORTON QUANTUM R996



- Ideal for cool grinding on stainless steel
- Extremely aggressive ceramic grain for noticeably faster cut rate
- Strong polyester backing for demanding work on edges
- Especially suitable for high pressure applications on high power angle grinders



METAL  
INOX



| FIBRE GLASS BACKED                                                                | SIZE (mm)                                                                                   | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------|--------|-------------|---------|
|  | 115x22<br> | 40   | 10     | 66254461027 | £000.00 |
|                                                                                   |                                                                                             | 60   | 10     | 66254461029 | £000.00 |
|                                                                                   |                                                                                             | 80   | 10     | 66254461031 | £000.00 |
|                                                                                   | 125x22<br> | 40   | 10     | 66254445878 | £000.00 |
|                                                                                   |                                                                                             | 60   | 10     | 66254445879 | £000.00 |
|                                                                                   |                                                                                             | 80   | 10     | 66254461033 | £000.00 |

### NORSTAR QUICK CUT RX22/R822



- Ideal for cool grinding on carbon steel or stainless steel
- Aggressive stock removal with less pressure, reduces heat generation
- Suitable for medium pressure applications
- Special flap configuration with premium SG ceramic aluminium oxide & Norzon zirconia alumina abrasive blend



METAL  
INOX



| FIBRE GLASS BACKED                                                                  | SIZE (mm)                                                                                     | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------|--------|-------------|---------|
|  | 115x22<br> | 40   | 10     | 63642534667 | £000.00 |
|                                                                                     |                                                                                               | 60   | 10     | 63642534668 | £000.00 |
|                                                                                     |                                                                                               | 80   | 10     | 63642534669 | £000.00 |
|                                                                                     |                                                                                               | 120  | 10     | 63642534670 | £000.00 |
|                                                                                     | 125x22<br> | 40   | 10     | 63642563571 | £000.00 |
|                                                                                     |                                                                                               | 60   | 10     | 63642568611 | £000.00 |
|                                                                                     |                                                                                               | 80   | 10     | 63642549404 | £000.00 |
|                                                                                     |                                                                                               | 120  | 10     | 63642550474 | £000.00 |



The special double flap construction, combining premium SG ceramic aluminium oxide & Norzon zirconia alumina abrasive flaps, delivers aggressive stock removal with less pressure, even on medium power angle grinders.

## VULCAN R842 **++++**

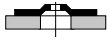
- Versatile product for rough grinding and deburring on steel and stainless steel
- Self-sharpening zirconium abrasive grain
- High & regular cut rate at medium and low pressures
- Excellent price-performance ratio



### FIBRE GLASS BACKED



Using a supersized disc is not necessary on carbon steel as less heat is generated than that produced on stainless steel. Mild steels are much softer so the abrasive disc will last longer. Norton Norzon fibre discs are the better choice for carbon steel.

| SIZE (mm)                                                                                       | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------------------|------|--------|-------------|---------|
| 115 x 22<br>   | 40   | 10     | 63642502311 | £000.00 |
|                                                                                                 | 60   | 10     | 63642502312 | £000.00 |
|                                                                                                 | 80   | 10     | 63642502313 | £000.00 |
|                                                                                                 | 120  | 10     | 63642502314 | £000.00 |
| 125 x 22<br>   | 40   | 10     | 63642502315 | £000.00 |
|                                                                                                 | 60   | 10     | 63642502317 | £000.00 |
|                                                                                                 | 80   | 10     | 63642502318 | £000.00 |
|                                                                                                 | 120  | 10     | 63642502326 | £000.00 |
| 150 x 22<br>   | 40   | 10     | 63642502327 | £000.00 |
|                                                                                                 | 60   | 10     | 63642502328 | £000.00 |
|                                                                                                 | 80   | 10     | 63642502329 | £000.00 |
| 180 x 22<br>  | 40   | 10     | 63642502341 | £000.00 |
|                                                                                                 | 60   | 10     | 63642502343 | £000.00 |
|                                                                                                 | 80   | 10     | 63642502345 | £000.00 |
| 115 x 22<br> | 40   | 10     | 63642502331 | £000.00 |
|                                                                                                 | 60   | 10     | 63642502332 | £000.00 |
| 125 x 22<br> | 40   | 10     | 63642502335 | £000.00 |
|                                                                                                 | 60   | 10     | 63642502336 | £000.00 |
|                                                                                                 | 80   | 10     | 63642502337 | £000.00 |



## FLAP DISCS FOR ANGLE GRINDERS

### VULCAN R265D

- Versatile product for rough grinding and deburring on steel and non-ferrous metals
- Fast initial cut rate especially on carbon steel
- Tough and durable aluminum oxide abrasive grain
- Good material removal on low or medium power angle grinders



FERR.  
& NON FERR.



WOOD 

FIBRE GLASS BACKED

SIZE (mm)

GRIT

PK QTY

ART NO.

PRICE



|        |     |    |             |         |
|--------|-----|----|-------------|---------|
| 115x22 | 40  | 10 | 63642589240 | £000.00 |
|        | 60  | 10 | 63642589241 | £000.00 |
|        | 80  | 10 | 63642589242 | £000.00 |
|        | 120 | 10 | 63642589243 | £000.00 |
| 125x22 | 40  | 10 | 63642589253 | £000.00 |
|        | 60  | 10 | 63642589254 | £000.00 |
|        | 80  | 10 | 63642589255 | £000.00 |
|        | 120 | 10 | 63642589256 | £000.00 |
| 180x22 | 40  | 10 | 66623398833 | £000.00 |
|        | 60  | 10 | 66623398835 | £000.00 |
|        | 80  | 10 | 66623398823 | £000.00 |
|        | 120 | 10 | 66623398824 | £000.00 |

### NEON R82B

- Multipurpose flap discs for processing steel, metal alloys or soft materials like wood.
- Good stock removal in rough grinding and deburring
- Hard & versatile Zirconia Alumina abrasive
- Wide selection of grit sizes and diameters



FERR.  
& NON FERR.



WOOD 

FIBRE GLASS BACKED

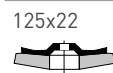
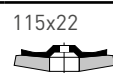
SIZE (mm)

GRIT

PK QTY

ART NO.

PRICE



|        |     |    |             |         |
|--------|-----|----|-------------|---------|
| 115x22 | 40  | 10 | 77696082248 | £000.00 |
|        | 60  | 10 | 77696082247 | £000.00 |
|        | 80  | 10 | 77696082252 | £000.00 |
|        | 120 | 10 | 77696082253 | £000.00 |
| 125x22 | 40  | 10 | 77696082254 | £000.00 |
|        | 60  | 10 | 77696082255 | £000.00 |
|        | 80  | 10 | 77696082256 | £000.00 |
|        | 120 | 10 | 77696082257 | £000.00 |



For an equivalent finish, always use a flap disc one grit size coarser than with a fibre disc





## NEW 4 STEP KIT FOR RIGHT ANGLE GRINDERS FROM CUTTING-OFF TO WELD SEAM REMOVAL

An assortment of Norton abrasive discs for angle grinders, of the most popular grades for cutting-off, cleaning, beveling and weld seam removal on carbon steel applications.

| KIT CONTENTS                                                    | ITEM ART NO. | PK QTY | KIT ART NO. | PRICE   |
|-----------------------------------------------------------------|--------------|--------|-------------|---------|
| Norton Quantum3 cutt-off wheel NQ60ZZ-125x1.3x22.23-T41         | 66253371351  | 25     | 69957366032 | £000.00 |
| Blaze Rapid Strip disc 125x22 R9101 AOXC                        | 66623303916  | 10     |             |         |
| Norzon Fibre disc 125x22 P36                                    | 63642536483  | 25     |             |         |
| Vulcan Zirconia flap discs 125x22 P60                           | 63642502317  | 10     |             |         |
| Nylon fibreglass reinforced Back-up pad for fibre discs 125 M14 | 66623376821  | 1      |             |         |
| Norton professional tool bag: Polybag 600D 38x23x28cm           | -            | 1      |             |         |

## WELD PREPARATION AND FINISHING IN 4 STEPS (CARBON STEEL)



### STEP 1 CUTTING-OFF

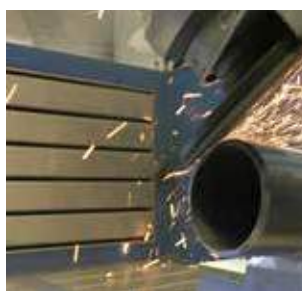
Norton Quantum3 cutting-off wheels are easy to use, easy to steer and deliver consistent results. No dust, no smell so the process is more comfortable.

Norton Quantum3 is a very comfortable disc to use, offering the longest life on the market.



### STEP 2 CLEANING

Blaze Rapid Strip discs are best used at a 10-15° angle to quickly eliminate unwanted coatings and corrosion, with minimal stock removal. It's a truly versatile product, as you can achieve a more aggressive action as you increase the pressure. It's comfortable to use without damaging or gouging components.



### STEP 3 BEVELLING

Norton Norzon F827 Fibre discs in P36 combined with a hard serrated back-up pad is the best option. It'll remove material quickly, and the flat contact area makes it easy to control and help generate the required angle.



### STEP 4 WELD SEAM REMOVAL

After welding use a Norton Vulcan R842 in grit P60 to quickly remove the weld seam and generate a finish ready for paint or other surface coatings.



## **NEW** 3 STEP KIT FOR RIGHT ANGLE GRINDERS FROM WELD REMOVAL TO A BRIGHT FINISH

An assortment of Norton abrasive discs for angle grinders, of the most popular grades for stock removal, blending & refining and finishing on stainless steel applications.

| KIT CONTENTS                                          | ITEM ART NO. | PK QTY | KIT ART NO. | PRICE   |
|-------------------------------------------------------|--------------|--------|-------------|---------|
| Quantum flap discs 125x22 P60                         | 66254445879  | 10     | 69957366033 | £000.00 |
| Rapid Prep discs 125x22 Coarse                        | 66623378975  | 25     |             |         |
| Rapid Blend discs 125x12x22 Fine                      | 66254496320  | 10     |             |         |
| Medium plain non-woven back-up pad 125 M14            | 69957382841  | 1      |             |         |
| Norton professional tool bag: Polybag 600D 38x23x28cm | -            | 1      |             |         |

## WELD REMOVAL TO A COMMERCIAL FINISH IN 3 STEPS (STAINLESS STEEL)



### STEP 1 STOCK REMOVAL

Norton Quantum flap disc in grit P60 is ideal for weld and stock removal. Flap discs are particularly suited to this application as the constant erosion of the backing allows new, sharper grain to be exposed during use, offering longer product life. As the backing is softer than that of a fibre disc, the surface finish will be better, reducing the number of further steps.



### STEP 2 BLENDING & REFINING

Vortex Rapid Prep (SCM) Discs are comfortable to use with finer finishing capabilities. Discs are best used at an angle of 10-15° preventing scratch patterns. A coarse grade disc is used to enable us to refine the finish from step 2.



### STEP 3 FINISHING

Rapid Blend NEX-2SF has excellent final finishing capabilities and imparts an extremely fine, bright and shiny surface. It's best used at a 10-15° angle and needs to be moved slowly across the workpiece, using just the weight of the angle grinder for pressure. Also try NEX-3SF spec for more durability when flexibility and comfortability is less of a concern. For best results and to avoid burn use at 6000 to 7000 rpm.



## NEW CURVED FLAP DISCS FOR ANGLE GRINDERS

The unique shape of the abrasive flaps work at 90 degree angle to the work piece when grinding with disc periphery. It's the ultimate solution for grinding curves, corners and difficult to access areas.

### NORTON QUANTUM CURVED PERFORMANCE

- Awkward grinding jobs are a thing of the past thanks to new Norton flap discs which feature an angled edge.
- Sharp zirconia grain cuts fast through metal, making discs not only easy to use, but also practical, durable and hard wearing.
- Each flap is molded to an upward pointing curve designed to easily access to hard to reach contours, corners and T-joints. Achieve excellent results even at low pressure due to the ability of the disc to adapt to the geometry of the workpiece.



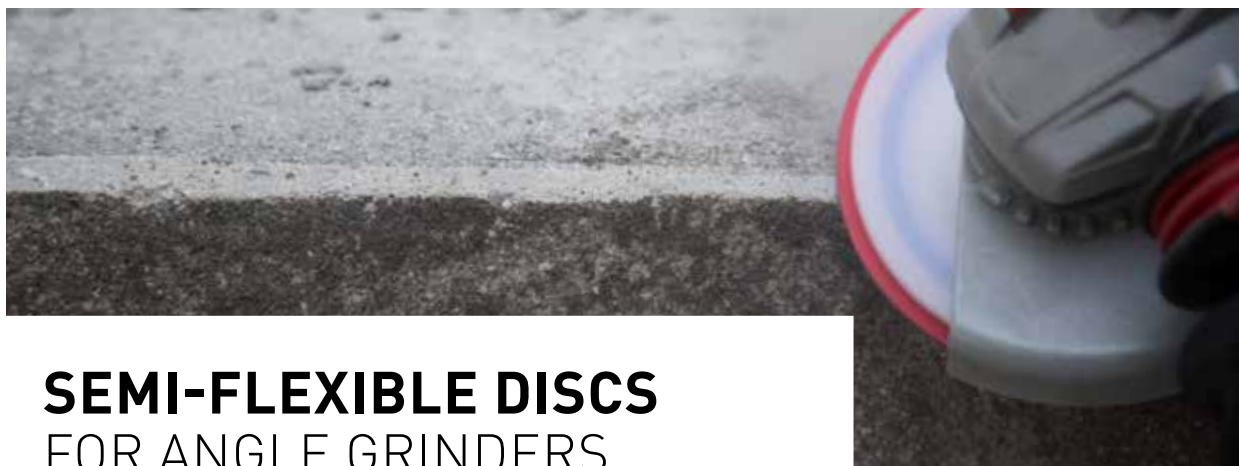
METAL  
INOX



|                                                                                     | DIM DxB (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|--------------|------|--------|-------------|---------|
|  | 125 x 22     | 40   | 6      | 69957365404 | £000.00 |
|                                                                                     |              | 60   | 6      | 69957365405 | £000.00 |
|                                                                                     |              | 80   | 6      | 69957365406 | £000.00 |
|                                                                                     |              | 120  | 6      | 69957365407 | £000.00 |







## SEMI-FLEXIBLE DISCS FOR ANGLE GRINDERS

Semi-flexible discs are made by coating heavy duty fibre with multiple layers of a special resin bonded abrasive. They are commonly used to clean stone, the hulls of ships & boats, to remove rust from large surfaces and coatings and removing glue or mastic.

### CP FLEX

- Semi flexible black silicon carbide discs for use on marble, granite, concrete, fibreglass & cast irons
- Ideal for use in construction markets for aggressive grinding, leveling and cleaning of surface imperfections



METAL



STONE



|                                                                                     | SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-----------|------|--------|-------------|---------|
|  | 125 x 22  | 16   | 25     | 66261083476 | £000.00 |
|                                                                                     |           | 24   | 25     | 7660719292  | £000.00 |
|                                                                                     |           | 36   | 25     | 7660719293  | £000.00 |
|                                                                                     |           | 60   | 25     | 7660719294  | £000.00 |
|                                                                                     |           | 80   | 25     | 7660719295  | £000.00 |
|                                                                                     | 180 x 22  | 16   | 25     | 66261083479 | £000.00 |
|                                                                                     |           | 24   | 25     | 7660719296  | £000.00 |
|                                                                                     |           | 36   | 25     | 7660719297  | £000.00 |
|                                                                                     |           | 60   | 25     | 7660719298  | £000.00 |
|                                                                                     |           | 80   | 25     | 7660719299  | £000.00 |

### NYLON BACK-UP PADS

- For universal use
- Conforms to ISO 15636

| SIZE (mm) | THREAD | DENSITY | MAX. RPM | PK QTY | ART NO.     | PRICE   |
|-----------|--------|---------|----------|--------|-------------|---------|
| 125       | M14    | Hard    | 12200    | 5      | 69957382829 | £000.00 |
| 180       | M14    | Hard    | 8500     | 5      | 69957382830 | £000.00 |







## RAPID STRIP DEPRESSED CENTRE DISCS FOR ANGLE GRINDERS

Non-woven discs have three components: strong synthetic fibre mesh, quality abrasive, and a smear-resistant adhesive. Rapid Strip discs have an open web construction for aggressive cutting action while maintaining a cool, non-loading surface. The thick, strong synthetic fibers and extra coarse silicon carbide grain make light work of removing rust, weld splatter, scale and other surface contaminants. Use before and after welding for preparing and cleaning the surface.

### BLAZE RAPID STRIP

DPC TYPE 27 & TYPE 29 CONICAL

- Best choice for removal of surface rust & residue, corrosion, light weld splatter, dirt, mill scale & other similar surface contaminants
- Blaze lasts up to twice as long as other ceramic discs thanks to the Norton SG grain
- Leaves a thoroughly cleaned surface that ensures excellent adhesion for subsequent processes such as coating, painting and soldering
- Extremely versatile; stiff enough to withstand aggressive use, soft enough to prevent gouging and rework. Apply pressure to strip or remove coatings; use lighter pressure to finish like a surface finishing disc



| SHAPE                                                                               | DIAxH<br>(mm) | CAP<br>CODE | PK<br>QTY | MAX<br>RPM | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|---------------|-------------|-----------|------------|-------------|---------|
|  | 115x22        | R9101       | 10        | 12000      | 66623303783 | £000.00 |
|                                                                                     | 125x22        | R9101       | 10        | 11000      | 66623303916 | £000.00 |
|                                                                                     | 178x22        | R9101       | 10        | 8000       | 66623303920 | £000.00 |
|  | 125x22        | R9101       | 10        | 12000      | 66261118630 | £000.00 |

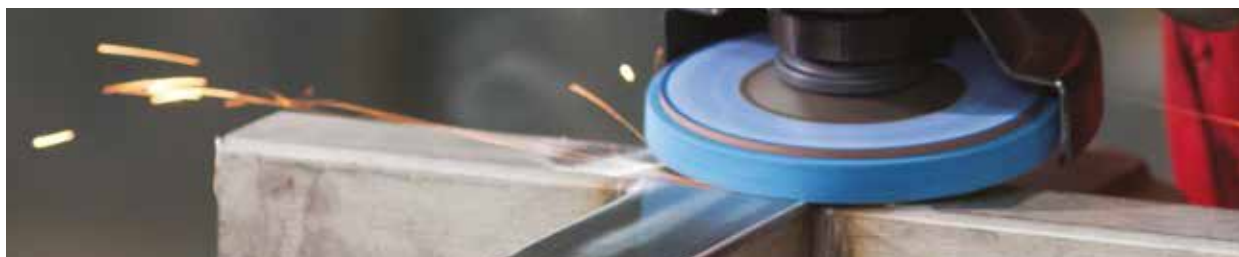
### RAPID STRIP

DPC TYPE 27

- A general purpose disc for removing coatings on a variety of materials
- Effective cleaning, ensuring excellent adhesion in subsequent processes such as coating, painting and soldering
- Nylon fibers, flexible resin technology and extra coarse abrasive grain for aggressive cut and long life
- Will not load on sticky coatings, adhesives, and soft metals, or snag and shed like a fibre disc



|                        | DIAxH<br>(mm) | CAP<br>CODE | PK<br>QTY | MAX RPM | ART NO.     | PRICE   |
|------------------------|---------------|-------------|-----------|---------|-------------|---------|
| STRIPPA<br>R4104 S     | 115x22        | R4104       | 5         | 11000   | 63642585732 | £000.00 |
|                        | 125x22        | R4104       | 5         | 8500    | 63642585749 | £000.00 |
| RAPID STRIP<br>R4101 H | 115x22        | R4101       | 10        | 12000   | 66261009649 | £000.00 |
|                        | 125x22        | R4101       | 10        | 12000   | 66261030655 | £000.00 |



## RAPID BLEND DEPRESSED CENTRE DISCS FOR ANGLE GRINDERS

Non-woven discs have three components: strong synthetic fibre mesh, quality abrasive and a smear-resistant adhesive. Rapid Blend discs have a unitized construction with varying weave, from open to tighter, for deburring to finishing applications. Can be used in sequence with fibre and flap discs to blend and impart a good finish in one or two operations.

### BLAZE RAPID BLEND

DPC TYPE 27 (OPEN)

- Blaze ceramic grain for Increased cutting power and life, with ability to remove process steps
- Versatile thin web product with aggressive cutting on small blending applications
- Cuts faster than standard Rapid Blend products, with minimal effect on finish



| SHAPE                                                                               | DIAxTxH (mm) | CAP CODE | GRADE        | PK QTY | MAX RPM | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|--------------|----------|--------------|--------|---------|-------------|---------|
|  | 125x6x22     | U9101    | EXTRA COARSE | 10     | 12000   | 77696067121 | £000.00 |

### VORTEX RAPID BLEND

DPC TYPE 27 & TYPE 29 CONICAL

- For light weld bead and weld splatter removal, heavy deburring and finishing applications
- 2 in 1 action: can cut like an 80 grit flap disc & finishes similar to a Rapid Blend (NEX 2SF) disc
- High-performance engineered grain provides aggressive, fast stock removal, reduced cycle times and increased part quality
- Twice the wheel life of conventional unified wheels, with minimal shedding
- Can be used in place of, or in sequence with, fibre and flap discs for improved part quality wide range of sizes and specs for various applications. Undersized backing plate gives longer usable diameter

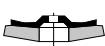


| SHAPE                                                                               | DIM DIAxTxH (mm) | CAP CODE | GRADE      | PK QTY | MAX RPM | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------------------|----------|------------|--------|---------|-------------|---------|
|  | 115x12x22        | U2305    | VORTEX 5AM | 10     | 12000   | 66254429268 | £000.00 |
|                                                                                     | 125x12x22        | U2305    | VORTEX 5AM | 10     | 12000   | 66254496323 | £000.00 |
|                                                                                     | 115x12x22        | U2305    | VORTEX 3AM | 10     | 7500    | 66623392701 | £000.00 |
|                                                                                     | 125x12x22        | U2305    | VORTEX 3AM | 10     | 7500    | 66623392718 | £000.00 |
|  | 125x6x22         | U2305    | VORTEX 5AM | 10     | 12000   | 77696067103 | £000.00 |
|                                                                                     | 125x6x22         | U2305    | VORTEX 3AM | 10     | 12000   | 77696067110 | £000.00 |
|                                                                                     | 125x12x22        | U2305    | VORTEX 5AM | 10     | 12000   | 63642531710 | £000.00 |
|                                                                                     |                  | U2305    | VORTEX 3AM | 10     | 7500    | 63642531717 | £000.00 |

# RAPID BLEND

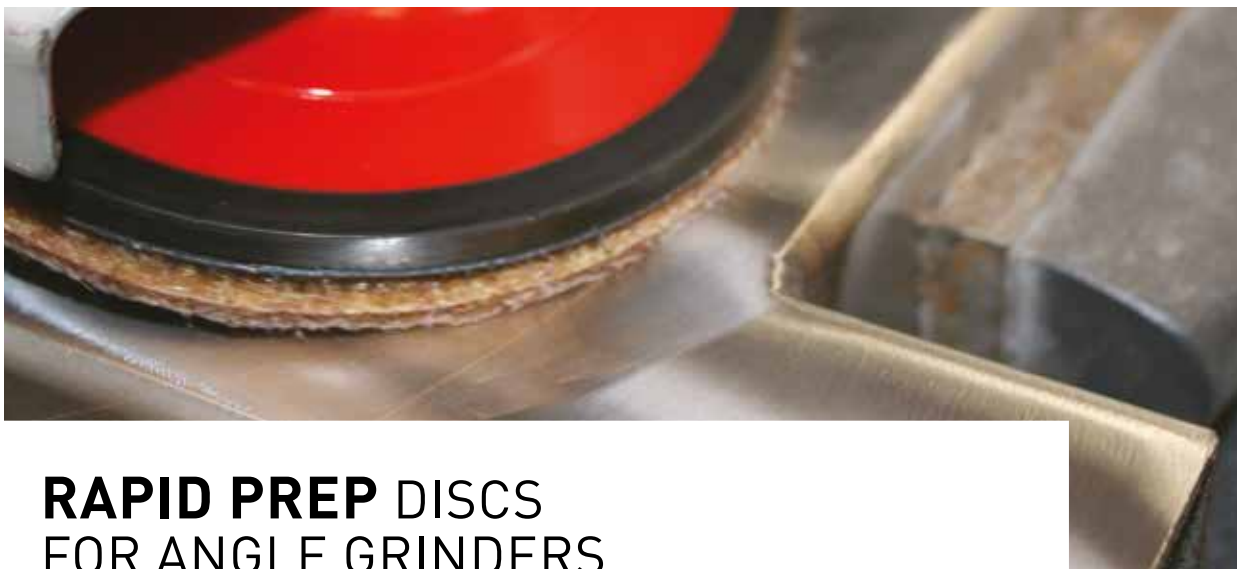
## NEX DPC TYPE 27 & TYPE 29 CONICAL

- A unitized construction with varying weave from open structure for deburring to tighter for finishing
- Fine silicon carbide & flexible density unitised construction for a smooth, controlled blending/finishing application
- Cuts more freely and with less heat than competitor products
- Fast finish achieved with a wide range of products to suit a variety of finish requirements
- Undersized backing plate gives longer usable diameter

| SHAPE                                                                                                                                                               | DIAxTxB (mm)                                                                                | CAP CODE | GRADE  | PK QTY | MAX RPM | ART NO.     | PRICE   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|---------|-------------|---------|
|   | 115x12x22                                                                                   | U4401    | NEX2SF | 10     | 12000   | 66261020546 | £000.00 |
|                                                                                                                                                                     |                                                                                             | U4401    | NEX3SF | 10     | 12000   | 66254461726 | £000.00 |
|                                                                                                                                                                     |                                                                                             | U2401    | NEX2AF | 10     | 12000   | 66261020547 | £000.00 |
|                                                                                                                                                                     |                                                                                             | U2301    | NEX2AM | 10     | 12000   | 66261020548 | £000.00 |
|                                                                                                                                                                     |                                                                                             | F2303    | HSMA   | 10     | 12000   | 66261020549 | £000.00 |
|                                                                                                                                                                     | 125x12x22                                                                                   | U4401    | NEX2SF | 10     | 12000   | 66254496320 | £000.00 |
|                                                                                                                                                                     |                                                                                             | U4401    | NEX3SF | 10     | 12000   | 77696067125 | £000.00 |
|                                                                                                                                                                     | 125x6x22                                                                                    | U4401    | NEX2SF | 10     | 12000   | 77696067118 | £000.00 |
|                                                                                                                                                                     |                                                                                             | U4401    | NEX3SF | 10     | 12000   | 77696067119 | £000.00 |
|                                                                                                                                                                     |  125x12x22 | U4401    | NEX2SF | 10     | 12000   | 63642531722 | £000.00 |
|                                                                                                                                                                     |                                                                                             | U4401    | NEX3SF | 10     | 12000   | 63642531723 | £000.00 |

HSMA = High Strength Disc





## RAPID PREP DISCS FOR ANGLE GRINDERS

Non-woven discs have three components: strong synthetic fibre mesh, quality abrasives, and a smear-resistant adhesive. Rapid Prep discs have an open weave that excels in surface preparation and cleaning applications, thanks to a coating system that reduces smearing and resists loading. Each disc combines the cutting speed of a coarse grit with the finish of a fine and so provides the lowest total cost of consumable tooling per workpiece. The thick layer of grain throughout the product extends the life of the disc.

### VORTEX RAPID PREP **++++**

SCM SELF-GRIP WITH REMOVABLE 22mm CENTRE HOLE

- Vortex grain technology combines the cutting speed of coarse grits with the finish of fine grits
- Durable product for blending, finishing, cleaning, and light deburring
- Most consistent cutting and finishing surface conditioning products on the market
- Clean Bond technology - smear free, does not load on aluminium or soft metals
- Achieve a burr-free, paintable finish in fewer steps without damaging the base material



|                                                                                     | DIA (mm) | CAP CODE | GRADE        | PK QTY | ART NO.      | PRICE   |
|-------------------------------------------------------------------------------------|----------|----------|--------------|--------|--------------|---------|
|  | 115      | S2103    | Extra coarse | 25     | 66623378971  | £000.00 |
|                                                                                     |          | S2203    | Coarse       | 25     | 66623378974  | £000.00 |
|                                                                                     |          | S2303    | Medium       | 25     | 66623378977  | £000.00 |
|                                                                                     |          | S2403    | Fine         | 25     | 66623333607  | £000.00 |
|                                                                                     |          | S2503    | Very fine    | 25     | 66623378980  | £000.00 |
|                                                                                     | 125      | S2103    | Extra coarse | 25     | 66623378972  | £000.00 |
|                                                                                     |          | S2203    | Coarse       | 25     | 66623378975  | £000.00 |
|                                                                                     |          | S2303    | Medium       | 25     | 66623378978  | £000.00 |
|                                                                                     |          | S2403    | Fine         | 25     | 66623333609  | £000.00 |
|                                                                                     |          | S2503    | Very fine    | 25     | 66623378981  | £000.00 |
|                                                                                     | 178      | S2103    | Extra coarse | 25     | 66623378973  | £000.00 |
|                                                                                     |          | S2203    | Coarse       | 25     | 66623378976  | £000.00 |
|                                                                                     |          | S2303    | Medium       | 25     | 66623378979  | £000.00 |
|                                                                                     |          | S2403    | Fine         | 25     | 66623334955* | £000.00 |
|                                                                                     |          | S2503    | Very fine    | 25     | 66623334969* | £000.00 |

\* Made-to-order



## VORTEX RAPID PREP ++++

### SCM FLAP DISCS

- Layers of Surface Conditioning Material (SCM) in a variety of grades for quick blending and finishing
- Longer life and durability with smear free cut & finish with one disc
- Three dimensional non-woven abrasive fabric layers containing high performance Vortex grain with Clean Bond™ technology
- Ideal for cleaning, light deburring and processing TIG welded seams on stainless steel

| BLENDING                                                                          | DIM<br>DIAxTxH (mm) | CAP CODE | GRADE     | PK QTY | MAX RPM | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|---------------------|----------|-----------|--------|---------|-------------|---------|
|  | 115x22              | S2203    | Coarse    | 10     | 12200   | 66261130726 | £000.00 |
|                                                                                   |                     | S2303    | Medium    | 10     | 12200   | 66261130773 | £000.00 |
|                                                                                   |                     | S2403    | Fine      | 10     | 12200   | 66261130776 | £000.00 |
|                                                                                   |                     | S2503    | Very fine | 10     | 12200   | 66261130777 | £000.00 |
|                                                                                   | 125x22              | S2203    | Coarse    | 10     | 12200   | 66261130779 | £000.00 |
|                                                                                   |                     | S2303    | Medium    | 10     | 12200   | 66261130780 | £000.00 |
|                                                                                   |                     | S2403    | Fine      | 10     | 12200   | 66261130781 | £000.00 |
|                                                                                   |                     | S2503    | Very fine | 10     | 12200   | 66261130782 | £000.00 |

## RAPID PREP +++

### SCM (A0) SELF-GRIP WITH REMOVABLE 22mm CENTRE HOLE

- Achieve a burr-free, ready to paint finish in fewer steps without damaging the base material
- General purpose product for blending, finishing, cleaning, and light deburring
- Use with self-grip back up pads with locating centre pin



|                                                                                     | DIA (mm) | CAP CODE | GRADE        | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|----------|--------------|--------|-------------|---------|
|  | 115      | S2108    | Extra coarse | 25     | 66623378983 | £000.00 |
|                                                                                     |          | S2208    | Coarse       | 25     | 66623378984 | £000.00 |
|                                                                                     |          | S2308    | Medium       | 25     | 66623378987 | £000.00 |
|                                                                                     |          | S2408    | Fine         | 25     | 66623378990 | £000.00 |
|                                                                                     |          | S2508    | Very fine    | 25     | 66623379028 | £000.00 |
|                                                                                     | 125      | S2108    | Extra coarse | 25     | 66623378982 | £000.00 |
|                                                                                     |          | S2208    | Coarse       | 25     | 66623378985 | £000.00 |
|                                                                                     |          | S2308    | Medium       | 25     | 66623378988 | £000.00 |
|                                                                                     |          | S2408    | Fine         | 25     | 66623378991 | £000.00 |
|                                                                                     |          | S2508    | Very fine    | 25     | 66623379029 | £000.00 |

## RAPID PREP SURFACE BLENDING DISCS FOR ANGLE GRINDER

### SURFACE BLENDING DISCS

FIBRE BACKED

- Fibre backing provides greater durability and life on demanding applications including edge work



| DIA (mm) | CAP CODE | GRADE      | TYPE | PK QTY | ART NO.     | PRICE   |
|----------|----------|------------|------|--------|-------------|---------|
| 115      | S2211    | Coarse FB* | DSB  | 20     | 63642557510 | £000.00 |
| 125      | S2211    | Coarse FB* | DSB  | 20     | 63642557721 | £000.00 |
| 150      | S2211    | Coarse FB* | DSB  | 10     | 63642557727 | £000.00 |

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

### BACK-UP PADS (SELF-GRIP) WITH LOCATING CENTRE PIN

- Easy location of disc onto centre pin reduces vibration

| DIA (mm) | DENSITY | ATTACHMENT | PK QTY | ART NO.     | PRICE   |
|----------|---------|------------|--------|-------------|---------|
| 115      | Medium  | M14        | 1      | 77696076935 | £000.00 |
| 125      | Medium  | M14        | 1      | 77696076941 | £000.00 |
| 178      | Medium  | M14        | 1      | 63642575296 | £000.00 |



### BACK-UP PADS (SELF-GRIP)

| DIA (mm) | DENSITY | ATTACHMENT | PK QTY | ART NO.     | PRICE   |
|----------|---------|------------|--------|-------------|---------|
| 115      | Medium  | M14        | 1      | 69957382846 | £000.00 |
|          | Medium  | 5/8        | 1      | 63642595937 | £000.00 |
| 125      | Medium  | M14        | 1      | 69957382841 | £000.00 |
|          | Medium  | 5/8        | 1      | 63642595938 | £000.00 |
| 150      | Medium  | M14        | 1      | 69957382843 | £000.00 |
|          | Medium  | 5/8        | 1      | 63642595939 | £000.00 |
| 178      | Medium  | M14        | 1      | 69957382844 | £000.00 |
|          | Medium  | 5/8        | 1      | 63642595940 | £000.00 |





## POLISHING DISCS FOR ANGLE GRINDERS

Final scratch removal and imparting a high quality shine are often the last stages in a fabrication process and polishing is easy with Norton BearTex and Rapid Polish discs. Whether you're working on aluminium or stainless steel, Norton has a solution for you.

### BEARTEX<sup>FLAP DISC</sup>

- Beartex fleece discs with open mesh construction
- Two types available, plain & interleaved
- Conforms easily to surface contours and shapes
- For use on a number of metals



| DIAXB<br>(mm) | CAP<br>CODE | GRADE                    | TYPE         | PK<br>QTY | MAX<br>RPM | ART NO.     | PRICE   |
|---------------|-------------|--------------------------|--------------|-----------|------------|-------------|---------|
| 115x22        | F2504       | Very fine A              | XFLD (Plain) | 10        | 4900       | 66254481898 | £000.00 |
|               | F2504       | Very fine A<br>with P120 | XIFD (Mixed) | 10        | 4900       | 66623311000 | £000.00 |

Optimum performance when run at slower speeds on a variable speed power tool.

### RAPID POLISH

- Type 29 felt wool polishing pad
- Use with or without polishing compound
- Smooth, scratch free result
- For a professional, mirror shine



| DIAXB<br>(mm) | CAP<br>CODE | GRADE | TYPE         | PK<br>QTY | MAX<br>RPM | ART NO.     | PRICE   |
|---------------|-------------|-------|--------------|-----------|------------|-------------|---------|
| 115x22        | F0005       | Felt  | XFLD (Plain) | 10        | 8500       | 66254481899 | £000.00 |
| 125x22        | F0005       | Felt  | XFLD (Plain) | 10        | 7700       | 63642573692 | £000.00 |

Optimum performance when run at slower speeds on a variable speed power tool.

## INDUSTRIAL POLISHING COMPOUND BLOCKS

|                                                                                     | COLOUR | WxLxH<br>(mm) | FINISH             | GUIDE                                            | PK<br>QTY | ART NO.    | PRICE   |
|-------------------------------------------------------------------------------------|--------|---------------|--------------------|--------------------------------------------------|-----------|------------|---------|
|  | Brown  | 55x160x38     | Pre-polishing      | Cleaning very dirty material (alu & non ferrous) | 1         | 7660739107 | £000.00 |
|                                                                                     | Green  | 55x160x38     | Gloss              | Aluminium & stainless steel                      | 1         | 7660739108 | £000.00 |
|                                                                                     | White  | 55x160x38     | Super high gloss   | Polishing stainless steel, alu & non-ferrous     | 1         | 7660739109 | £000.00 |
|                                                                                     | Blue   | 55x160x38     | General high gloss | All metals & hard plastics                       | 1         | 7660739112 | £000.00 |







**NORTON**

SAINT-GOBAIN®

COATED  
ABRASIVES

# DISCS FOR MINI ANGLE GRINDERS

Speedlok discs  
Mini Flap Discs  
Non-Woven Speedlok Discs  
Rapid Strip Speedlok Discs

72  
77  
80  
81

Rapid Blend Speedlok Discs  
Rapid Prep Speedlok Discs  
Speedlok Buffing & Polishing Discs

82  
84  
86



## SPEEDLOK DISCS FOR MINI ANGLE GRINDERS

The tool-free fastening system enables quick disc changes to maximize productivity and minimise downtime. Ideal for light to medium pressure grinding, blending & finishing on small or difficult to access areas including tool and mold construction, automotive, aeronautical & aerospace industry and equipment and pressure vessel construction. The SpeedLok fastener makes it quick & easy to change. Disc locks securely to back-up pad, no slipping or release caused by heat. The two button attachment systems (TR or TS) ensures the disc is properly centered and vibration free. These discs optimize stock removal, surface finish, thermal load of the workpiece and tool wear. SpeedLok discs achieve their best performance at a recommended speed of 15-35m/s.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ○

|                                     |  |  |  |  |  |  |
|-------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                     | BLAZE<br>R980P                                                                      | <b>NEW</b><br>RED HEAT R983                                                         | X-TREME<br>R884P                                                                     | X-TREME +<br>R801                                                                     | X-TREME S<br>R422                                                                     | BDX<br>ARY/ARX19                                                                      |
| MATERIALS                           | +++++                                                                               | +++++                                                                               | ++++                                                                                 | ++++                                                                                  | ++++                                                                                  | +++                                                                                   |
| Stainless steel, inox               | ●                                                                                   | ●                                                                                   |                                                                                      | ○                                                                                     |                                                                                       |                                                                                       |
| Titanium, inconel & super alloys    | ●                                                                                   | ●                                                                                   |                                                                                      | ○                                                                                     |                                                                                       |                                                                                       |
| Carbon, construction & mild steel   | ●                                                                                   | ●                                                                                   | ●                                                                                    | ●                                                                                     |                                                                                       | ○                                                                                     |
| Cast iron                           | ○                                                                                   | ○                                                                                   | ●                                                                                    | ●                                                                                     |                                                                                       | ○                                                                                     |
| Non-ferrous metal (brass/aluminium) |                                                                                     |                                                                                     | ○                                                                                    |                                                                                       |                                                                                       | ○                                                                                     |
| Hard wood                           |                                                                                     |                                                                                     | ●                                                                                    |                                                                                       | ●                                                                                     | ○                                                                                     |
| Soft wood                           |                                                                                     |                                                                                     |                                                                                      |                                                                                       | ○                                                                                     | ○                                                                                     |
| Composite materials                 |                                                                                     |                                                                                     |                                                                                      |                                                                                       | ●                                                                                     | ○                                                                                     |
| Stone, concrete                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       | ●                                                                                     | ○                                                                                     |
| Glass, plastic                      |                                                                                     |                                                                                     |                                                                                      |                                                                                       | ●                                                                                     | ○                                                                                     |

## QUICK CHANGE DISC ATTACHMENTS & TIPS



**TS ATTACHMENT**  
(Type 2 – SL2)  
A turn-on/turn-off style fastener



**TR ATTACHMENT**  
(Type 3 – SL3)  
Twist on & twist off in 2½ turns

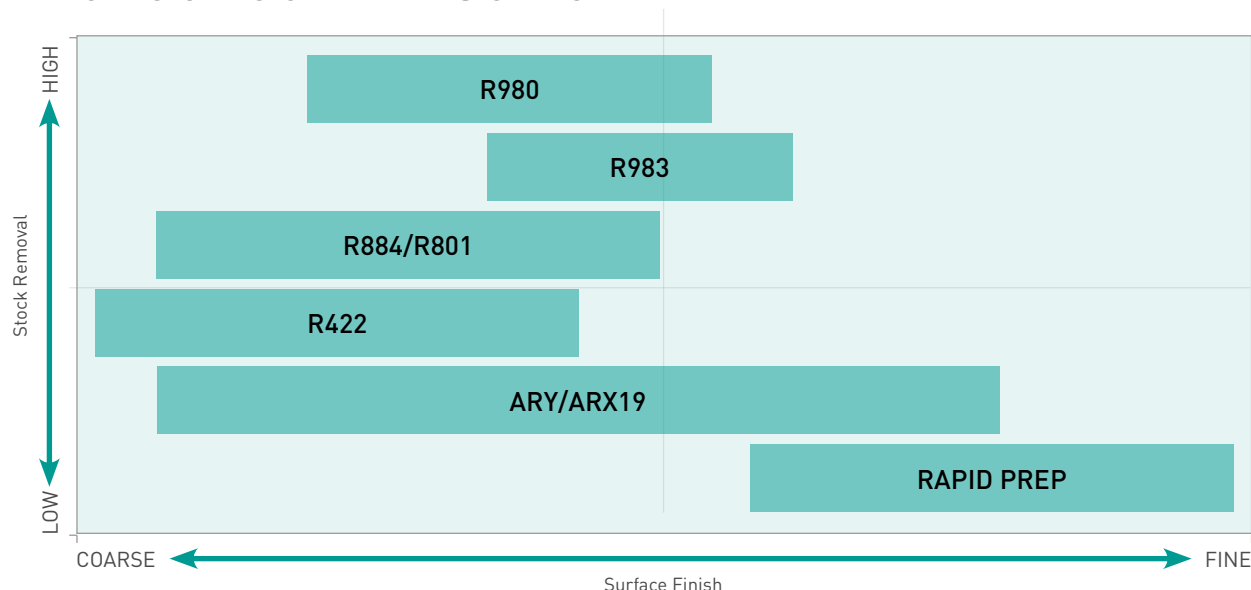


**TIP** Avoid gouging on contours by using a smaller size holder than the diameter of the discs, such as 38mm holder for 50mm.



**TIP** Select a hard back-up pad for more aggressive applications.

## PRODUCT COMPARISON CHART



### BLAZE R980P

- The best choice for part cut & finish on stainless steel, inconels, chromium cobalt, titanium and extremely hard materials
- Provides the coolest cut and significantly faster cut rates
- Aggressive disc removes all defects quickly
- For the greatest durability, longest life, and edge-fray resistance on tough applications and stainless steel



| SIZE (mm) | GRIT | MAX. RPM      | PK QTY | TR ATTACHMENT  |         | TS ATTACHMENT  |         |
|-----------|------|---------------|--------|-----------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------|---------|
|           |      |               |        | Part Number                                                                                         | Price   | Part Number                                                                                         | Price   |
| 25        | 36   | 11500 - 26800 | 100    | 66261094895                                                                                         | £000.00 | -                                                                                                   | -       |
|           | 50   | 11500 - 26800 | 100    | 66254402096                                                                                         | £000.00 | -                                                                                                   | -       |
|           | 60   | 11500 - 26800 | 100    | 66261038811                                                                                         | £000.00 | -                                                                                                   | -       |
| 38        | 36   | 7600 - 17600  | 50     | 63642597033                                                                                         | £000.00 | 69957390693                                                                                         | £000.00 |
|           | 50   | 7600 - 17600  | 50     | 63642597034                                                                                         | £000.00 | 69957390694                                                                                         | £000.00 |
|           | 60   | 7600 - 17600  | 50     | 63642597037                                                                                         | £000.00 | 69957390695                                                                                         | £000.00 |
|           | 80   | 7600 - 17600  | 50     | 63642597038                                                                                         | £000.00 | 69957390696                                                                                         | £000.00 |
|           | 120  | 7600 - 17600  | 50     | 66261136868                                                                                         | £000.00 | 66261136986                                                                                         | £000.00 |
| 50        | 36   | 5700 - 13400  | 50     | 63642597039                                                                                         | £000.00 | 69957390698                                                                                         | £000.00 |
|           | 50   | 5700 - 13400  | 50     | 63642597045                                                                                         | £000.00 | 69957390699                                                                                         | £000.00 |
|           | 60   | 5700 - 13400  | 50     | 63642597050                                                                                         | £000.00 | 69957390700                                                                                         | £000.00 |
|           | 80   | 5700 - 13400  | 50     | 63642597052                                                                                         | £000.00 | 69957390701                                                                                         | £000.00 |
|           | 120  | 5700 - 13400  | 50     | 66261136868                                                                                         | £000.00 | 66261136986                                                                                         | £000.00 |
| 75        | 36   | 3800 - 8900   | 50     | 63642597053                                                                                         | £000.00 | 69957390702                                                                                         | £000.00 |
|           | 50   | 3800 - 8900   | 50     | 63642597057                                                                                         | £000.00 | 69957390703                                                                                         | £000.00 |
|           | 60   | 3800 - 8900   | 50     | 63642597060                                                                                         | £000.00 | 69957390704                                                                                         | £000.00 |
|           | 80   | 3800 - 8900   | 50     | 63642597062                                                                                         | £000.00 | 69957390705                                                                                         | £000.00 |
|           | 120  | 3800 - 8900   | 50     | 66261136980                                                                                         | £000.00 | -                                                                                                   | -       |



Grinding on stainless generates a considerable amount of heat; always use a Norton Blaze disc with a supersize layer to reduce heat build up and improve cut quality. Typically, a coarse grit disc is used when grinding MIG welds and a finer grit disc is used when grinding TIG welds.

## SPEEDLOK DISCS FOR MINI ANGLE GRINDERS

### BLAZE F980 FIBRE

- The Best choice for very tough applications
- Heaviest fibre backing for greater stock removal, longer life and edge-fray resistance



METAL  
INOX



|                                                                                   | SIZE (mm) | GRIT | MAX. RPM     | PK QTY | TR ATTACHMENT  |         |
|-----------------------------------------------------------------------------------|-----------|------|--------------|--------|---------------------------------------------------------------------------------------------------|---------|
|  | 50        | 36   | 5700 - 13400 | 25     | 66261058704                                                                                       | £000.00 |
|                                                                                   |           | 50   | 5700 - 13400 | 25     | 66261058705                                                                                       | £000.00 |
|                                                                                   |           | 60   | 5700 - 13400 | 25     | 66261058706                                                                                       | £000.00 |
|                                                                                   | 75        | 36   | 3800 - 8900  | 25     | 66261058708                                                                                       | £000.00 |
|                                                                                   |           | 50   | 3800 - 8900  | 25     | 66261058709                                                                                       | £000.00 |
|                                                                                   |           | 60   | 3800 - 8900  | 25     | 66261058711                                                                                       | £000.00 |

### NEW RED HEAT R983

- High performance ceramic discs, laminate free for extra flexibility when working on curves and contours
- New advanced grain formulation & improved backing for excellent cut rate and longer life
- For use in medium pressure applications



METAL  
INOX



|                                                                                     | SIZE (mm) | GRIT | MAX. RPM     | PK QTY | TR ATTACHMENT  | TS ATTACHMENT  |
|-------------------------------------------------------------------------------------|-----------|------|--------------|--------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|  | 50        | 36   | 5700 - 13400 | 50     | 66261151081 £000.00                                                                                 | 66261151028 £000.00                                                                                 |
|                                                                                     |           | 50   | 5700 - 13400 | 50     | 66261151082 £000.00                                                                                 | 66261151036 £000.00                                                                                 |
|                                                                                     |           | 60   | 5700 - 13400 | 50     | 66261151083 £000.00                                                                                 | 66261151038 £000.00                                                                                 |
|                                                                                     |           | 80   | 5700 - 13400 | 50     | 66261148410 £000.00                                                                                 | 66261151044 £000.00                                                                                 |
|                                                                                     |           | 120  | 5700 - 13400 | 50     | 66261151084 £000.00                                                                                 | 66261151046 £000.00                                                                                 |
|                                                                                     | 75        | 36   | 3800 - 8900  | 50     | 66261151085 £000.00                                                                                 | - -                                                                                                 |
|                                                                                     |           | 50   | 3800 - 8900  | 50     | 66261151086 £000.00                                                                                 | - -                                                                                                 |
|                                                                                     |           | 60   | 3800 - 8900  | 50     | 66261151087 £000.00                                                                                 | - -                                                                                                 |
|                                                                                     |           | 80   | 3800 - 8900  | 50     | 66261151088 £000.00                                                                                 | - -                                                                                                 |
|                                                                                     |           | 120  | 3800 - 8900  | 50     | 66261151089 £000.00                                                                                 | - -                                                                                                 |

### X-TREME R884P

- The better choice for use on hard steels, carbon steel, welds and wood
- Versatile, self-sharpening zirconia alumina plus grain for high stock removal rate on rough grinding and deburring of steel and stainless steel
- Provides aggressive cut and longer life than competitor zirconia alumina discs
- Advanced grain coating results in longer life and faster cut rate



FERR. NON  
FERROUS, INOX



|                                                                                     | SIZE (mm) | GRIT | MAX. RPM     | PK QTY | TR ATTACHMENT  | TS ATTACHMENT  |
|-------------------------------------------------------------------------------------|-----------|------|--------------|--------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|  | 38        | 36   | 7600 - 17600 | 50     | - -                                                                                                 | 63642549604 £000.00                                                                                 |
|                                                                                     |           | 50   | 7600 - 17600 | 50     | - -                                                                                                 | 66261138622 £000.00                                                                                 |
|                                                                                     |           | 60   | 7600 - 17600 | 50     | - -                                                                                                 | 63642549607 £000.00                                                                                 |
|                                                                                     |           | 80   | 7600 - 17600 | 50     | - -                                                                                                 | 63642549606 £000.00                                                                                 |
|                                                                                     | 50        | 36   | 5700 - 13400 | 50     | 63642560882 £000.00                                                                                 | 63642549747 £000.00                                                                                 |
|                                                                                     |           | 50   | 5700 - 13400 | 50     | 69957389455 £000.00                                                                                 | 69957360306 £000.00                                                                                 |
|                                                                                     |           | 60   | 5700 - 13400 | 50     | 63642556396 £000.00                                                                                 | 63642549748 £000.00                                                                                 |



| SIZE (mm) | GRIT | MAX. RPM     | PK QTY | TR ATTACHMENT  | TS ATTACHMENT  |
|-----------|------|--------------|--------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 50        | 80   | 5700 - 13400 | 50     | 63642560884 £000.00                                                                               | 63642549749 £000.00                                                                               |
|           | 120  | 5700 - 13400 | 50     | 63642560885 £000.00                                                                               | 66261115917 £000.00                                                                               |
| 75        | 36   | 3800 - 8900  | 50     | 63642560886 £000.00                                                                               | 63642549605 £000.00                                                                               |
|           | 50   | 3800 - 8900  | 50     | 69957389465 £000.00                                                                               | 69957360307 £000.00                                                                               |
|           | 60   | 3800 - 8900  | 50     | 63642560887 £000.00                                                                               | 63642539858 £000.00                                                                               |
|           | 80   | 3800 - 8900  | 50     | 63642560888 £000.00                                                                               | 69957360313 £000.00                                                                               |
|           | 120  | 3800 - 8900  | 50     | 66261137003 £000.00                                                                               | 66261137005 £000.00                                                                               |

## X-TREME+ R801

- For demanding grinding applications, the supersize grinding aid facilitates a cooler cut on stainless steel, titanium and other exotic alloys, improving part quality & finish
- Heavy Y-weight polyester backing provides excellent durability and grain adhesion
- Premium, self-sharpening zirconia alumina plus grain with ensures the disc remains sharper for longer, increasing usage time and driving down overall process cost
- High removal rate when used on stainless steel



| SIZE (mm) | GRIT | MAX. RPM     | PK QTY | TR ATTACHMENT  | TS ATTACHMENT  |
|-----------|------|--------------|--------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 50        | 36   | 5700 - 13400 | 50     | 63642556405 £000.00                                                                               | 63642556399 £000.00                                                                               |
|           | 50   | 5700 - 13400 | 50     | 63642587202 £000.00                                                                               | 63642587194 £000.00                                                                               |
|           | 60   | 5700 - 13400 | 50     | 63642556407 £000.00                                                                               | 63642556403 £000.00                                                                               |
|           | 80   | 5700 - 13400 | 50     | 63642587207 £000.00                                                                               | 63642587203 £000.00                                                                               |
|           | 120  | 5700 - 13400 | 50     | 63642587208 £000.00                                                                               | 63642587204 £000.00                                                                               |
| 75        | 36   | 3800 - 8900  | 50     | 63642587245 £000.00                                                                               | -                                                                                                 |
|           | 50   | 3800 - 8900  | 50     | 63642587246 £000.00                                                                               | -                                                                                                 |
|           | 60   | 3800 - 8900  | 50     | 63642556411 £000.00                                                                               | -                                                                                                 |
|           | 80   | 3800 - 8900  | 50     | 63642587247 £000.00                                                                               | -                                                                                                 |
|           | 120  | 3800 - 8900  | 50     | 63642587248 £000.00                                                                               | -                                                                                                 |

## X-TREME S R422

- A great choice for brass, non-ferrous materials, stone, glass and fibre reinforced plastics
- Sharp premium silicon carbide abrasive for a good cut rate through the life of the disc
- Ideal solution for grinding titanium and non-ferrous aircraft and engine parts
- Good material removal in both low or medium pressure applications



| SIZE (mm) | GRIT | MAX. RPM     | PK QTY | TR ATTACHMENT  |
|-----------|------|--------------|--------|-----------------------------------------------------------------------------------------------------|
| 50        | 60   | 5700 - 13400 | 50     | 66261137014 £000.00                                                                                 |
|           | 80   | 5700 - 13400 | 50     | 66261137025 £000.00                                                                                 |
|           | 120  | 5700 - 13400 | 50     | 66261137028 £000.00                                                                                 |
| 75        | 60   | 3800 - 8900  | 50     | 66261137015 £000.00                                                                                 |
|           | 80   | 3800 - 8900  | 50     | 66261137026 £000.00                                                                                 |
|           | 120  | 3800 - 8900  | 50     | 66261137029 £000.00                                                                                 |

## SPEEDLOK DISCS FOR MINI ANGLE GRINDERS

### BDX ARY19

- For hard to grind materials that require an economical option
- Aggressive cut and longer life than other aluminum oxide discs
- Good cut rate and improved life on moderately-demanding applications
- Resistant to edge wear and fraying



FERR. NON FERR.  
WOOD



|                                                                                   | SIZE (mm) | GRIT | MAX. RPM     | PK QTY | TR ATTACHMENT  | TS ATTACHMENT  |
|-----------------------------------------------------------------------------------|-----------|------|--------------|--------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|  | 38        | 60   | 7600 - 17600 | 50     | 63642586628                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 80   | 7600 - 17600 | 50     | 63642586629                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 120  | 7600 - 17600 | 50     | 63642586631                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 180  | 7600 - 17600 | 50     | 63642586633                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 320  | 7600 - 17600 | 50     | 66261137058                                                                                       | £000.00                                                                                           |
|                                                                                   | 50        | 36   | 5700 - 13400 | 50     | 63642586683                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 60   | 5700 - 13400 | 50     | 69957389332                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 80   | 5700 - 13400 | 50     | 63642586687                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 120  | 5700 - 13400 | 50     | 63642586689                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 180  | 5700 - 13400 | 50     | 63642586691                                                                                       | £000.00                                                                                           |
|                                                                                   | 75        | 320  | 5700 - 13400 | 50     | 63642586695                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 60   | 3800 - 8900  | 50     | 63642586731                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 80   | 3800 - 8900  | 50     | 63642586733                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 120  | 3800 - 8900  | 50     | 63642586735                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 180  | 3800 - 8900  | 50     | 63642586738                                                                                       | £000.00                                                                                           |
|                                                                                   |           | 320  | 3800 - 8900  | 50     | 66261137060                                                                                       | £000.00                                                                                           |



Our most versatile SpeedLok disc. Traditional aluminium oxide discs are a good starting specification for general purpose grinding.

## MADE-TO-ORDER PRODUCT AVAILABILITY

| CAP CODE      | GRAIN / GRIT            | 24 | 36 | 40 | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 240 | 320 |
|---------------|-------------------------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| Blaze R980P   | Ceramic with supersize  | •  | •  | •  | •  | •  | •  | •   | •   |     |     |     |     |
| Xtreme R884P  | Zirconia                | •  | •  |    | •  | •  | •  |     | •   |     |     |     |     |
| Xtreme + R801 | Zirconia with supersize |    | •  | •  | •  | •  | •  | •   | •   |     |     |     |     |
| Xtreme S R422 | Silicon carbide         |    | •  | •  | •  | •  | •  | •   | •   | •   |     |     |     |
| BDX ARY19     | Aluminium oxide         | •  | •  | •  | •  | •  | •  | •   | •   | •   | •   | •   | •   |

• Available

### MINIMUM ORDER QUANTITY

| SIZE (mm) | MINIMUM ORDER QUANTITY | SIZE (mm) | MINIMUM ORDER QUANTITY |
|-----------|------------------------|-----------|------------------------|
| 25        | 500 pieces             | 50        | 250 pieces             |
| 38        | 500 pieces             | 75        | 250 pieces             |



## MINI FLAP DISCS FOR MINI ANGLE GRINDERS

Ideal for weld dressing on small and difficult to access areas as well as general stock removal, deburring, flashing, blending and finishing. Mini flap discs have long life and minimize downtime by increasing productivity.

The SpeedLok fastener makes it quick & easy to change discs by locking securely to the back-up pad, so no slipping or release is caused by heat build-up. The TR button attachment systems ensure the disc is properly centered and vibration free. Best performance is achieved at a recommended speed of 30-40m/s. This optimises stock removal, surface finish, thermal load of the workpiece & tool wear.

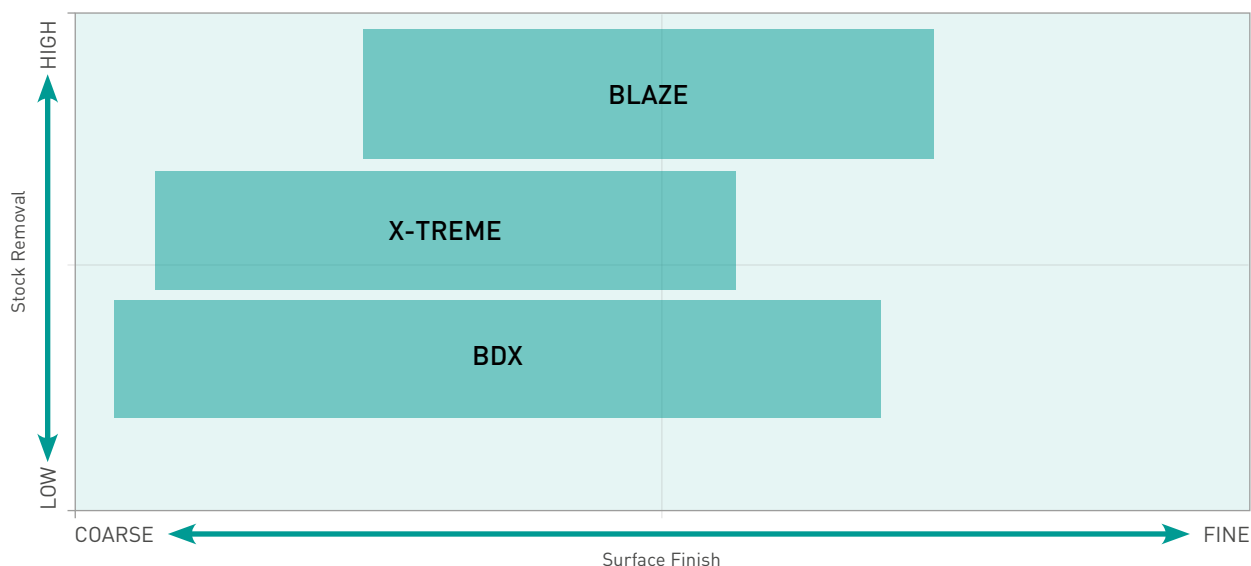
## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ○



|                                               | BLAZE<br>+++++ | X-TREME<br>++++ | BDX<br>+++ |
|-----------------------------------------------|----------------|-----------------|------------|
| Stainless steel, inox & duplex                | ●              | ○               |            |
| Inconel, titanium & super alloys              | ●              | ○               |            |
| Carbon steel, construction steel & mild steel | ●              | ●               | ○          |
| Cast iron                                     | ○              | ●               | ○          |
| Non-ferrous metal (brass/aluminium)           |                | ●               | ○          |
| Hard & soft wood                              |                | ●               | ○          |

## PRODUCT COMPARISON CHART



## MINI FLAP DISCS FOR MINI ANGLE GRINDERS

### BLAZE R980P

- For stainless steel and super alloys
- Provides longer life compared to any mini flap disc when used on stainless, titanium & super alloys
- Extremely aggressive ceramic grain for noticeably faster cut rate
- Supersize layer for a cooler cut and reduced heat generation during use, providing better part quality and no burn marks



METAL  
INOX



|                                                                                   | SIZE (mm) | GRIT | MAX. RPM      | PK QTY | TR ATTACHMENT  | BACK-UP PAD |
|-----------------------------------------------------------------------------------|-----------|------|---------------|--------|---------------------------------------------------------------------------------------------------|-------------|
|  | 50        | 36   | 11500 - 15000 | 10     | 66261120103                                                                                       | £000.00     |
|                                                                                   |           | 40   | 11500 - 15000 | 10     | 66261120104                                                                                       | £000.00     |
|                                                                                   |           | 60   | 11500 - 15000 | 10     | 66261120109                                                                                       | £000.00     |
|                                                                                   |           | 80   | 11500 - 15000 | 10     | 66261120110                                                                                       | £000.00     |
|                                                                                   | 75        | 36   | 7500 - 10000  | 10     | 66261120111                                                                                       | £000.00     |
|                                                                                   |           | 40   | 7500 - 10000  | 10     | 66261120112                                                                                       | £000.00     |
|                                                                                   |           | 60   | 7500 - 10000  | 10     | 66261120116                                                                                       | £000.00     |
|                                                                                   |           | 80   | 7500 - 10000  | 10     | 66261120117                                                                                       | £000.00     |



Grinding on stainless generates a considerable amount of heat; always use a Norton Blaze mini-flap disc with supersize layer (cooling aid) to reduce heat generation and improve cut and finish. Typically, a coarse grit disc is used when grinding MIG welds and a finer grit disc is used when grinding TIG welds.

### X-TREME R828

- Ideal for carbon steel and welds
- Strong zirconia alumina plus for high stock removal rate on rough grinding and deburring of steel and stainless steel
- Delivers aggressive cut rate and longer life on carbon steel and welds
- Prevents loading on aluminum and other soft materials



FERR. NON  
FERROUS, INOX



|                                                                                     | SIZE (mm) | GRIT | MAX. RPM      | PK QTY | TR ATTACHMENT  | BACK-UP PAD |
|-------------------------------------------------------------------------------------|-----------|------|---------------|--------|-----------------------------------------------------------------------------------------------------|-------------|
|  | 50        | 40   | 11500 - 15000 | 10     | 66261180892                                                                                         | £000.00     |
|                                                                                     |           | 60   | 11500 - 15000 | 10     | 66261180893                                                                                         | £000.00     |
|                                                                                     |           | 80   | 11500 - 15000 | 10     | 66261180894                                                                                         | £000.00     |
|                                                                                     | 75        | 40   | 7500 - 10000  | 10     | 63642527476                                                                                         | £000.00     |
|                                                                                     |           | 60   | 7502 - 10000  | 10     | 66261180904                                                                                         | £000.00     |
|                                                                                     |           | 80   | 7503 - 10000  | 10     | 63642527482                                                                                         | £000.00     |



#### FLEXI FLAP

Also available in mini flexi-flap disc, which adapts to contours and corners. The flexible cloth and disc construction is ideal for an improved finish and operator comfort during use.

| SIZE (mm) | GRIT | MAX. RPM      | PK QTY | TR ATTACHMENT  | BACK-UP PAD |
|-----------|------|---------------|--------|-----------------------------------------------------------------------------------------------------|-------------|
| 50        | 40   | 11500 - 15000 | 10     | 66261180889                                                                                         | £000.00     |
|           | 60   | 11500 - 15000 | 10     | 66261180890                                                                                         | £000.00     |
|           | 80   | 11500 - 15000 | 10     | 66261180891                                                                                         | £000.00     |



## BDX R766

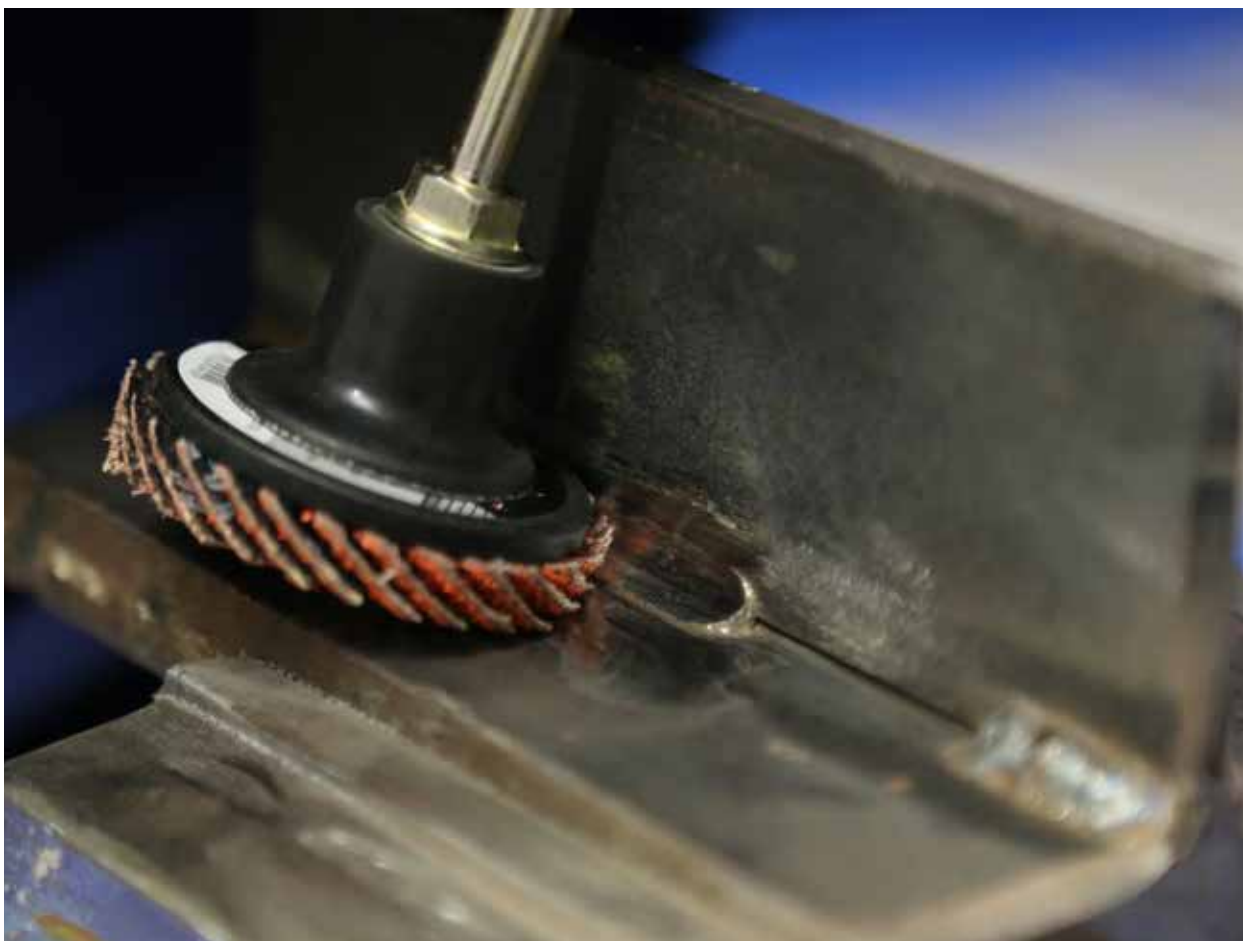
- A good choice for aluminum, carbon steel & difficult-to-grind materials that require an economical option
- For aggressive cut and longer life than competitor aluminum oxide discs
- For longer life and faster cut rate on moderately demanding applications



FERR. NON  
FERROUS



|                                                                                   | SIZE (mm) | GRIT | MAX. RPM      | PK QTY | TR ATTACHMENT | BACK-UP PAD |
|-----------------------------------------------------------------------------------|-----------|------|---------------|--------|---------------|-------------|
|  | 50        | 40   | 11500 - 15000 | 10     | 66261119970   | £000.00     |
|                                                                                   |           | 60   | 11500 - 15000 | 10     | 66261119973   | £000.00     |
|                                                                                   |           | 80   | 11500 - 15000 | 10     | 66261119975   | £000.00     |
|                                                                                   |           | 120  | 11500 - 15000 | 10     | 66261119976   | £000.00     |
|                                                                                   | 75        | 40   | 7500 - 10000  | 10     | 66261119979   | £000.00     |
|                                                                                   |           | 60   | 7500 - 10000  | 10     | 66261119980   | £000.00     |
|                                                                                   |           | 80   | 7500 - 10000  | 10     | 66261119981   | £000.00     |
|                                                                                   |           | 120  | 7500 - 10000  | 10     | 66261119982   | £000.00     |





## NON-WOVEN SPEEDLOK DISCS FOR MINI ANGLE GRINDERS

Norton non-woven SpeedLok quick-change discs are a combination of strong synthetic mesh and quality abrasives, bonded together by a smear-resistant adhesive. The open construction of the non-woven material enables aggressive cutting action and improved surface finish while maintaining its non-loading properties.

### PRODUCT SELECTION GUIDE

|                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                                                                                |  |  |  |  |  |
|                                                                                                                                                | RAPID STRIP                                                                         | VORTEX RAPID BLEND                                                                  | VORTEX RAPID PREP                                                                    | RAPID PREP                                                                            | RAPID BLEND NEX                                                                       |
|                                                                                                                                                | +++++                                                                               | ++++                                                                                | ++++                                                                                 | +++                                                                                   | +++                                                                                   |
| Scale                                                                                                                                          | ●                                                                                   |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| Stock removal                                                                                                                                  | ●                                                                                   | ◐                                                                                   |                                                                                      |                                                                                       |                                                                                       |
| Heavy deburring                                                                                                                                | ◐                                                                                   | ●                                                                                   |                                                                                      |                                                                                       |                                                                                       |
| Light deburring                                                                                                                                |                                                                                     | ●                                                                                   | ◐                                                                                    |                                                                                       |                                                                                       |
| Light finishing                                                                                                                                |                                                                                     |                                                                                     | ●                                                                                    | ◐                                                                                     | ●                                                                                     |
| Blending                                                                                                                                       |                                                                                     |                                                                                     | ●                                                                                    | ◐                                                                                     | ◐                                                                                     |
| Finishing                                                                                                                                      |                                                                                     |                                                                                     | ◐                                                                                    | ●                                                                                     | ●                                                                                     |
| <div> <div>←</div> <div> MOST AGGRESSIVE<br/>LEAST CONFORMABLE </div> <div> → </div> <div> LEAST AGGRESSIVE<br/>MOST CONFORMABLE </div> </div> |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |

## RAPID STRIP SPEEDLOK DISCS FOR MINI ANGLE GRINDERS

An open web construction for an aggressive cut without loading. The thick, strong synthetic fibers and extra coarse silicon carbide grain make light work of removing rust, weld splatter & scale. Use before and after welding for preparing and cleaning the surface.



## BLAZE RAPID STRIP

- Ideal for removing coatings on a variety of surfaces
- With ceramic alumina grain, disc lasts 2x longer than competitor
- Cleans surface thoroughly for excellent adhesion of coatings, painting and soldering
- Withstands aggressive use whilst preventing gouging



| DIA (mm) | CAP CODE | GRADE       | MAX. RPM | PK QTY | TR ATTACHMENT  | TR+ ATTACHMENT  |
|----------|----------|-------------|----------|--------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 50       | R9101    | X Coarse SG | 20000    | 25     | 66623303912 £000.00                                                                                 | -                                                                                                    |
| 75       | R9101    | X Coarse SG | 15000    | 25     | 66261096557 £000.00                                                                                 | -                                                                                                    |
| 100      | R9101    | X Coarse SG | 8000     | 5      | -                                                                                                   | 66261137035 £000.00                                                                                  |

Use with TR+ Holder

## RAPID STRIP

- General purpose, for removing coatings
- Cleans surface thoroughly for excellent adhesion of coatings, painting and soldering
- Extra-coarse abrasive grain for aggressive performance
- Anti-loading even on sticky coatings, adhesives, and soft metals



| DIA (mm) | CAP CODE | GRADE      | MAX. RPM | PK QTY | TR RAPID STRIP  | TR STRIPPA  |
|----------|----------|------------|----------|--------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 50       | R4101    | X Coarse S | 20000    | 10     | 63642588173 £000.00                                                                                  | -                                                                                                |
|          | R4104    | X Coarse S | 20000    | 10     | -                                                                                                    | 63642556605 £000.00                                                                              |
| 75       | R4101    | X Coarse S | 15000    | 10     | 63642588175 £000.00                                                                                  | -                                                                                                |
|          | R4104    | X Coarse S | 15000    | 10     | -                                                                                                    | 63642556624 £000.00                                                                              |

Use with TR+ Holder

TR+ RAPID STRIP 

|     |       |             |      |   |                     |
|-----|-------|-------------|------|---|---------------------|
| 100 | R4101 | X Coarse SG | 8000 | 5 | 63642585751 £000.00 |
|-----|-------|-------------|------|---|---------------------|



## RAPID BLEND SPEEDLOK DISCS FOR MINI ANGLE GRINDERS

From material removal to final smear free finish with just one disc! With their uniquely compact design, Rapid Blend discs are ideal for quick deburring, edge breaking, blending, cleaning and polishing. Can be used in sequence with fibre discs and flap discs when removing surface defects, conditioning grindlines and general light stock removal.

### VORTEX RAPID BLEND OPEN STRUCTURE

- Soft and open density of nylon fibre impregnated with patented grain technology and advanced resin system prevents loading, even on aluminium
- Special resin chemistry resists shedding when used on sharp edges, making it ideal for deburring, no smearing
- Longer life than other surface blending discs (up to 8x) means fewer disc changes for less down time and increased productivity



| DIAXT (mm) | CAP CODE | GRADE  | MAX. RPM | PK QTY | TR ATTACHMENT  |
|------------|----------|--------|----------|--------|-----------------------------------------------------------------------------------------------------|
| 25x6       | U2311    | Medium | 35100    | 100    | 66254497806 £000.00                                                                                 |
| 38x6       | U2311    | Medium | 30100    | 80     | 66254497807 £000.00                                                                                 |
| 50x6       | U2311    | Medium | 22000    | 25     | 66254497067 £000.00                                                                                 |
| 75x6       | U2311    | Medium | 18000    | 25     | 66254497068 £000.00                                                                                 |



## VORTEX RAPID BLEND CLOSED STRUCTURE

- Closely closed structure of grain and bond provides fast stock removal, reduced cycle time and excellent part quality
- Thick nylon web holds the grain in place to provide the most consistent performance for the whole life of the disc
- Special curing process ensures the disc will not break down in heavy deburring applications
- Discs maintain form holding for use on all surfaces, shapes and contours



|                                                                                   | DIAxT (mm) | CAP CODE | GRADE | MAX. RPM | PK QTY | TR ATTACHMENT  |         |
|-----------------------------------------------------------------------------------|------------|----------|-------|----------|--------|---------------------------------------------------------------------------------------------------|---------|
|  | 50x6       | U2305    | 3AM   | 22000    | 60     | 66254428237                                                                                       | £000.00 |
|                                                                                   |            | U2305    | 5AM   | 22000    | 60     | 66254413660                                                                                       | £000.00 |
|                                                                                   |            | U2305    | 7AM   | 22000    | 60     | 66254433510                                                                                       | £000.00 |
|                                                                                   | 75x3       | U2305    | 5AM   | 18000    | 40     | 66261093556                                                                                       | £000.00 |
|                                                                                   |            | U2305    | 7AM   | 18000    | 40     | 66261090909                                                                                       | £000.00 |
|                                                                                   | 75x6       | U2305    | 3AM   | 18000    | 40     | 66254428238                                                                                       | £000.00 |
|                                                                                   |            | U2305    | 5AM   | 18000    | 40     | 66254413661                                                                                       | £000.00 |
|                                                                                   |            | U2305    | 7AM   | 18000    | 40     | 66254406395                                                                                       | £000.00 |

## RAPID BLEND NEX

- Strong mesh, abrasive and smear resistant adhesive provides aggressive cut and good surface finish without loading
- Abrasive is distributed through the entire disc (top, bottom and sides) so all three faces can be used
- Versatile, comfortable and easy to use without risk of change to workpiece geometry.
- Excellent for light deburring of flashing & threads, blending alloys, polishing & finishing. Can be preformed. Holds shape
- Bright finish on stainless steel with improved 2SF and 3SF specification



|                                                                                     | DIA (mm) | CAP CODE | GRADE      | MAX. RPM | PK QTY | TR ATTACHMENT  |         |
|-------------------------------------------------------------------------------------|----------|----------|------------|----------|--------|-----------------------------------------------------------------------------------------------------|---------|
|  | 50       | U2301    | 2 A Medium | 22000    | 10     | 63642585684                                                                                         | £000.00 |
|                                                                                     |          | U2301    | 6 A Medium | 22000    | 10     | 63642585725                                                                                         | £000.00 |
|                                                                                     |          | U4401    | 2 S Fine   | 22000    | 10     | 63642585677                                                                                         | £000.00 |
|                                                                                     |          | U4401    | 3 S Fine   | 22000    | 10     | 66254473613                                                                                         | £000.00 |
|                                                                                     |          | U2401    | 4 A Fine   | 22000    | 10     | 63642585679                                                                                         | £000.00 |
|                                                                                     | 75       | U2301    | 2 A Medium | 18000    | 10     | 63642585697                                                                                         | £000.00 |
|                                                                                     |          | U2301    | 6 A Medium | 18000    | 10     | 63642585726                                                                                         | £000.00 |
|                                                                                     |          | U4401    | 2 S Fine   | 15000    | 10     | 63642585691                                                                                         | £000.00 |
|                                                                                     |          | U4401    | 3 S Fine   | 15000    | 10     | 66254473614                                                                                         | £000.00 |
|                                                                                     |          | U2401    | 4 A Fine   | 15000    | 10     | 63642585695                                                                                         | £000.00 |



## RAPID PREP SPEEDLOK DISCS FOR MINI ANGLE GRINDERS

Non-woven discs have three components: strong synthetic fibre mesh, quality abrasives, and a smear-resistant adhesive. Rapid Prep discs have an open weave that excels in surface preparation and cleaning applications, thanks to a coating system that reduces smearing and resists loading. Each disc combines the cutting speed of a coarse grit with the finish of a fine and so provides the lowest total cost of consumable tooling per workpiece. The thick layer of grain throughout the product extends the life of the disc.

## VORTEX RAPID PREP<sup>SCM</sup> +++++

- For cleaning and conditioning, gain higher material removal, longer life and consistent, smear-free finishes, even on high nickel content alloys
- Proprietary engineered Vortex aluminum oxide abrasive grain and coating method combine maximum cutting speed with the consistent finish of finer grades to reduce process times by 50%+ by combining multiple grit sequences into 1 step
- Up to 4x longer life than competitor products, material removal level is maintained throughout disc life, reducing the need for rework & reducing total consumable cost
- The Clean Bond™ resin system ensures surfaces stay smear-free, even on alloys with high nickel content, aluminium and soft metals, loading is prevented



|                                                                                     | DIA (mm) | CAP CODE | GRADE        | PK QTY | TR ATTACHMENT |         |
|-------------------------------------------------------------------------------------|----------|----------|--------------|--------|---------------|---------|
|  | 50       | S2103    | Extra coarse | 50     | 66623378336   | £000.00 |
|                                                                                     |          | S2203    | Coarse       | 50     | 66623378340   | £000.00 |
|                                                                                     |          | S2303    | Medium       | 50     | 66623378342   | £000.00 |
|                                                                                     |          | S2403    | Fine         | 50     | 66623378345   | £000.00 |
|                                                                                     |          | S2503    | Very fine    | 50     | 66623378347   | £000.00 |
|                                                                                     | 75       | S2103    | Extra coarse | 25     | 66623378337   | £000.00 |
|                                                                                     |          | S2203    | Coarse       | 25     | 66623378341   | £000.00 |
|                                                                                     |          | S2303    | Medium       | 25     | 66623378343   | £000.00 |
|                                                                                     |          | S2403    | Fine         | 25     | 66623378346   | £000.00 |
|                                                                                     |          | S2503    | Very fine    | 25     | 66623378348   | £000.00 |

Other sizes and grades available MTO

# RAPID PREP<sup>A/O</sup> SCM

- For general purpose cleaning and conditioning, gain high material removal, long life and consistent, smear-free finishes, even on high nickel content alloys
- The layer of grain throughout the product extends life as the grain does not sit on top of fibres
- Flexible backing enables the disc to conform to contours
- The Clean Bond™ resin system ensures surfaces stay smear-free, even on alloys with high nickel content, aluminium and soft metals, loading is prevented



|  | DIA (mm) | CAP CODE | GRADE        | PK QTY | TR ATTACHMENT  |         |
|-----------------------------------------------------------------------------------|----------|----------|--------------|--------|---------------------------------------------------------------------------------------------------|---------|
|                                                                                   | 50       | S2108    | Extra coarse | 50     | 66623378355                                                                                       | £000.00 |
|                                                                                   |          | S2208    | Coarse       | 50     | 66623378359                                                                                       | £000.00 |
|                                                                                   |          | S2308    | Medium       | 50     | 66623378363                                                                                       | £000.00 |
|                                                                                   |          | S2408    | Fine         | 50     | 66623378366                                                                                       | £000.00 |
|                                                                                   |          | S2508    | Very fine    | 50     | 66623378372                                                                                       | £000.00 |
|                                                                                   | 75       | S2108    | Extra coarse | 25     | 66623378356                                                                                       | £000.00 |
|                                                                                   |          | S2208    | Coarse       | 25     | 66623378360                                                                                       | £000.00 |
|                                                                                   |          | S2308    | Medium       | 25     | 66623378364                                                                                       | £000.00 |
|                                                                                   |          | S2408    | Fine         | 25     | 66623378382                                                                                       | £000.00 |
|                                                                                   |          | S2508    | Very fine    | 25     | 66623378373                                                                                       | £000.00 |



## SPEEDLOK BUFFING & POLISHING DISCS FOR MINI ANGLE GRINDERS

Final scratch removal and imparting a high quality shine are often the last stages in a fabrication process and polishing is easy with Norton BearTex buffing discs and Rapid Polish discs. Whether you're working on aluminium or stainless steel, in intricate or hard to reach areas Norton has a solution for you.

### HIGH STRENGTH BUFFING DISC +++

- Tough, yet conformable, resists tearing on burrs and sharp edges
- Follows contours and awkward profiles easily.
- Premium aluminium oxide grain for aggressive blending and cleaning without smearing
- Ideal for rust/oxide or coating removal, pipe ID and OD polishing, casting cleaning, highlighting (antiquing), contaminant removal, removal of handling marks, gasket removal, cleaning and blending of surface imperfections, prepping prior to soldering, removal of filling materials, cleaning angles and odd shapes.
- Will not stretch or shed



| DIA (mm) | CAP CODE | GRADE       | PK QTY | TR ATTACHMENT |         |
|----------|----------|-------------|--------|---------------|---------|
| 50       | F2303    | Medium A    | 50     | 63642585924   | £000.00 |
|          | F2506    | Very Fine A | 50     | 08834163987   | £000.00 |
| 75       | F2303    | Medium A    | 50     | 08834164065   | £000.00 |
|          | F2506    | Very Fine A | 50     | 63642585932   | £000.00 |

### RAPID POLISH +++

- Polishing is the final stage in the process, to achieve a glossy, high shine finish
- Use on all metals including stainless steel & aluminium
- Removes fine scratches
- Impart a high quality mirror shine



| DIA (mm) | GRADE    | PK QTY | TR ATTACHMENT |         |
|----------|----------|--------|---------------|---------|
| 50       | Medium A | 50     | 63642587165   | £000.00 |
| 75       | Medium A | 50     | 63642587167   | £000.00 |

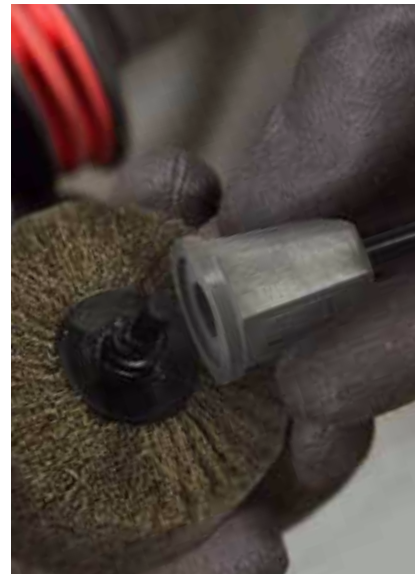




TR ATTACHMENT 



TS ATTACHMENT 



TR+ ATTACHMENT 

## RUBBER BACK-UP PADS FOR MINI ANGLE GRINDER

6mm SPINDLE

| SIZE (mm) | DENSITY | MAX. RPM | PK QTY | TR ATTACHMENT  | TS ATTACHMENT  |
|-----------|---------|----------|--------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 25        | Medium  | 38100    | 1      | 63642556628 £000.00                                                                                 | 7660718963 £000.00                                                                                  |
| 38        | Medium  | 25100    | 1      | 63642556629 £000.00                                                                                 | 7660707032 £000.00                                                                                  |
| 50        | Medium  | 19000    | 1      | 7660717817 £000.00                                                                                  | 63642501157 £000.00                                                                                 |
|           | Hard    | 19000    | 1      | 63642586931 £000.00                                                                                 | 63642586926 £000.00                                                                                 |
| 75        | Medium  | 12800    | 1      | 63642556631 £000.00                                                                                 | 7660707384 £000.00                                                                                  |
|           | Hard    | 12800    | 1      | 66254401460 £000.00                                                                                 | 63642586932 £000.00                                                                                 |

## PLASTIC BACK-UP PADS FOR MINI ANGLE GRINDER

TR+ ATTACHMENT (TR+ - SL4)

- Plastic back-up pad with 6mm spindle for 100mm Speedlok TR+ discs

| SIZE (mm) | DENSITY | MAX. RPM | PK QTY | TR+ ATTACHMENT  |
|-----------|---------|----------|--------|------------------------------------------------------------------------------------------------------|
| 100       | Hard    | 15000    | 1      | 63642586196 £000.00                                                                                  |



**Medium density** suitable for medium/fine applications such as edge rounding or surface grinding.  
**Hard density** suitable for coarse applications and higher stock removal such as chamfering, welded seam or deburring work.

**SPEEDLOK BUFFING & POLISHING DISCS** FOR MINI ANGLE GRINDERS**BACK-UP PADS FOR ANGLE GRINDERS** TR ATTACHMENT (TYPE 3-SL3)

- Back-up pad with M14 thread

| SIZE (mm) | DENSITY | MAX. RPM | PK QTY | TR ATTACHMENT |         |
|-----------|---------|----------|--------|---------------|---------|
| 75        | Medium  | 11200    | 1      | 63642587305   | £000.00 |
|           | Hard    | 11200    | 1      | 63642557133   | £000.00 |

**ANGLE GRINDER ADAPTOR**

- Adapts the standard quick change back-up pad for use on an angle grinder
- Suitable for use with rubber back-up pads
- Female M14, male thread 1/4 - 20 UNC

| TYPE        | DENSITY | MAX. RPM | PK QTY | ART NO.     | PRICE   |
|-------------|---------|----------|--------|-------------|---------|
| M14 Adaptor | Metal   | 12000    | 1      | 63642587997 | £000.00 |



To use a standard rubber back-up pad on an angle grinder, unscrew the 6mm shaft and insert the adaptor M14 - 1/4"

**HOW TO USE A MINI DISC ADAPTOR ON AN ANGLE GRINDER**

1 Remove the metallic spindle and screw the adaptor to use the rubber back-up directly on the angle grinder.



2 Adapt your 3/8" - 24 or 5/8" - 11 right angle grinder to a Type II or Type III back-up pad.



For hard to reach areas



For curves and corners



For small surface areas



## MINI RIGHT ANGLE DIE GRINDER GRINDING TOOLS AND KITS

Norton offers mini tools for grinding and sanding to make life easier in detailed, hard to reach applications. Use with Norton SpeedLok discs for surface preparation and defect removal on curves, contours and tight areas.

## MINI RIGHT ANGLE ANGLE GRINDER **+++**

50mm (2") MAX RPM 22,000 (0.45 HP)

- Designed for use with the quick-change back-up pad and SpeedLok and mini flap discs.
- Use with 38mm and 50mm quick change sanding discs and spindle mounted sanding specialties only. The accessories must have a rated speed greater than the speed marked on the tool



| EXHAUST DIRECTION | THROTTLE TYPE | HORSEPOWER | AIR CONSUMPTION (L/MIN) | COLLET CHUNK | TOOL WEIGHT | ART NO.     | PRICE   |
|-------------------|---------------|------------|-------------------------|--------------|-------------|-------------|---------|
| Rear              | Level         | 0,45       | 85                      | 6mm          | 0,74 kg     | 66261177765 | £000.00 |



Air tools require regular lubrication throughout the life of the tool. The air motor and bearing use compressed air to power the tool. Because moisture in compressed air will rust the air motor, it must be lubricated daily. An inline oiling device is recommended. Before using the machine add 1-2 drops of oil in the machine air inlet.



This is an **UNGUARDED** tool and should **NEVER** be used with cut-off discs or other bonded abrasive grinding wheels. Never use any product that has a MAX RPM rating less than the RPM marked on the tool.

## MINI RIGHT ANGLE DIE GRINDER GRINDING TOOLS AND KITS

### NORTON MINI RIGHT ANGLE DIE GRINDER **STARTER KIT**

COMPATIBLE WITH 50mm (2") DISCS

MAX RPM 22,000 (0.45 HP)

- An assortment of 45 abrasive SpeedLok discs, of the most popular grades for stripping, deburring and surface blending, and the new Norton mini right angle die grinder



| KIT CONTENTS                                                               | ITEM ART NO. | PK QTY | KIT ART NO. | PRICE   |
|----------------------------------------------------------------------------|--------------|--------|-------------|---------|
| 50mm (2") NORTON MINI RIGHT ANGLE DIE GRINDER:<br>MAX RPM 22,000 (0.45 HP) | 66261177765  | 1      | 69957300298 | £000.00 |
| NORTON TOOL BAG: POLYESTER 600D, SIZE:56x31x45cm                           | -            | 1      |             |         |
| DIR ZMD 2"x0" R9101 NOR AOXC SL3 OR BZR+                                   | 66623303912  | 10     |             |         |
| SPE ZMD 2" F980 NOR C36 LTB SL3 NA                                         | 66261058704  | 25     |             |         |
| DIB ZMD 2"x0" S2303 NOR VTME SL3B MA VR+                                   | 66623378342  | 10     |             |         |
| BU (ZMD) 50x6 SL3 hard NOR                                                 | 63642586931  | 1      |             |         |

### NORTON MINI RIGHT ANGLE DIE GRINDER & SPEEDLOK DISCS **PROFESSIONAL KIT**

COMPATIBLE WITH 50mm (2") DISCS

MAX RPM 22,000 (0.45 HP)

- A complete assortment of our product SpeedLok disc range complete with mini angle grinder
- Includes samples of the most popular abrasive SpeedLok discs for all application stages from cleaning, deburring, blending up to surface preparation



| KIT CONTENTS                                                               | ITEM ART NO. | PK QTY | KIT ART NO. | PRICE   |
|----------------------------------------------------------------------------|--------------|--------|-------------|---------|
| 50mm (2") NORTON MINI RIGHT ANGLE DIE GRINDER:<br>MAX RPM 22,000 (0.45 HP) | 66261177765  | 1      | 69957300300 | £000.00 |
| NORTON TOOL BAG: POLYESTER 600D, SIZE:56x31x45cm                           | -            | 1      |             |         |
| DIR ZMD 2"x0" R9101 NOR AOXC SL3 OR BZR+                                   | 66623303912  | 5      |             |         |
| SPE ZMD 2" F980 NOR C36 LTB SL3 NA                                         | 66261058704  | 5      |             |         |
| SPE ZMD 50 R980P NORTON C50 LTYH SL3 X                                     | 63642597045  | 5      |             |         |
| SPE ZMD 50 R980P NORTON C80 LTYH SL3 X                                     | 63642597052  | 5      |             |         |
| FLD FXSP 50 R980 NOR C36 NMINI SL3                                         | 66261120103  | 5      |             |         |
| DIB ZMD 2"x0" S2303 NOR VTME SL3B MA VR+                                   | 66623378342  | 5      |             |         |
| DIB ZMD 2"x0" S2503 NOR VTFV SL3B BL VR+                                   | 66623378347  | 5      |             |         |
| UNW WZMD 2"x1/4"x0" U4401 NOR SIFI2 SL3+                                   | 63642585677  | 5      |             |         |
| BU (ZMD) 38x6 SL3 medium NOR                                               | 63642556629  | 1      |             |         |
| BU (ZMD) 50x6 SL3 hard NOR                                                 | 63642586931  | 1      |             |         |





**NORTON**

SAINT-GOBAIN®

COATED  
ABRASIVES

# DISCS FOR ORBITAL MACHINE

Norton Meshpower Discs  
Self-Grip & Beartex Discs

92 Screenback Discs  
94 Plain Discs  
Beartex Floor Pads

103  
104  
106



## NORTON MESHPOWER DISCS

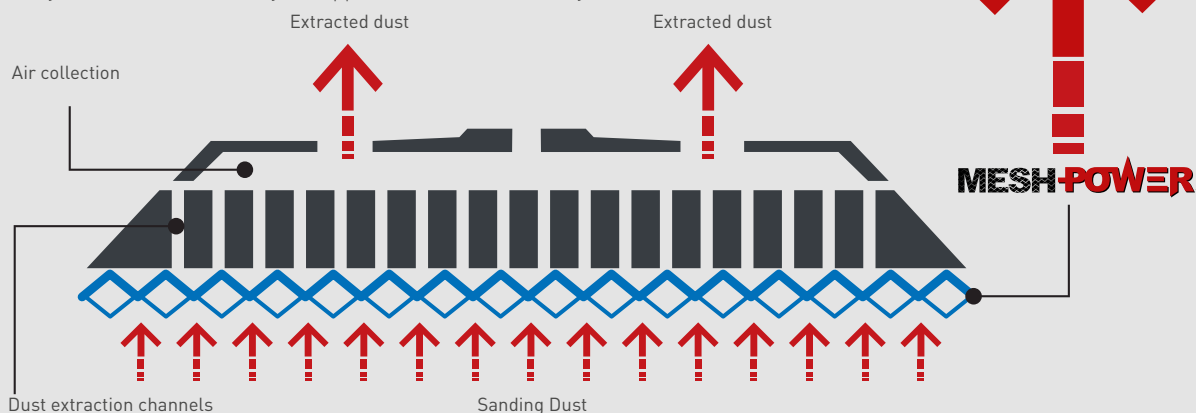
An alternative to traditional perforated paper discs, Norton MeshPower is a multifunctional abrasive, designed with thousands of holes, created by the unique mesh matrix structure. This hole structure allows dust extraction in any application.

- Mesh backing enables excellent dust extraction, for a cleaner working environment and less clean up time
- No-fil® technology prevents clogging for longer product life
- Can be used wet or dry
- Self-grip backing for a quick and easy disc change
- Can be used on many materials, flat and contoured surfaces, by hand or machine
- No defined hole pattern for fast, easy alignment with the back-up pad
- Easy to identify product type by grain colour

## POWERFUL DUST EXTRACTION MEANS A CLEANER ENVIRONMENT

The demand for a cleaner working environment, better quality finish and reduced consumable cost, means sanding solutions have evolved, from paper backed abrasive to a mesh construction with thousands of tiny holes.

Norton MeshPower responds to these demands by offering dust extraction in many operations. The open mesh construction of the backing allows dust particles to flow freely through thousands of tiny holes, creating a virtually dust free sanding environment. Better for your health, better for your application and better for your business!



### CERAMIC ADVANTAGE

Ceramic grain provides the ultimate material removal, best productivity, longest life and finest finish.

## NEW MESHPOWER DISCS CERAMIC +++++

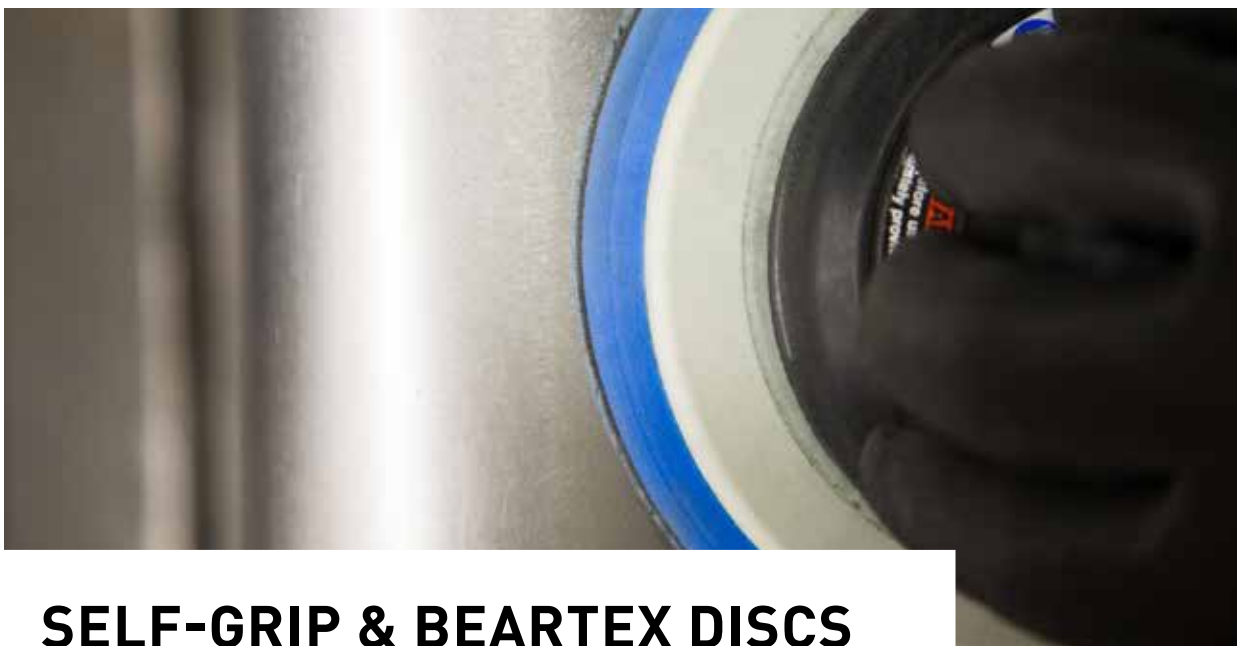
|                                                                                   | SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-----------|------|--------|-------------|---------|
|  | 150       | 80   | 50     | 69957325723 | £000.00 |
|                                                                                   |           | 120  | 50     | 69957325730 | £000.00 |
|                                                                                   |           | 180  | 50     | 69957325731 | £000.00 |
|                                                                                   |           | 240  | 50     | 69957325732 | £000.00 |
|                                                                                   |           | 320  | 50     | 69957325733 | £000.00 |
|                                                                                   |           | 400  | 50     | 69957325736 | £000.00 |
|                                                                                   | 203       | 80   | 50     | 69957326072 | £000.00 |
|                                                                                   |           | 120  | 50     | 69957326073 | £000.00 |
|                                                                                   |           | 180  | 50     | 69957326075 | £000.00 |
|                                                                                   |           | 240  | 50     | 69957326076 | £000.00 |
|                                                                                   |           | 320  | 50     | 69957326077 | £000.00 |
|                                                                                   |           | 400  | 50     | 69957326078 | £000.00 |

## NEW MESHPOWER DISCS ALUMINIUM OXIDE +++++

|                                                                                     | SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-----------|------|--------|-------------|---------|
|  | 150       | 80   | 50     | 69957326274 | £000.00 |
|                                                                                     |           | 120  | 50     | 69957326275 | £000.00 |
|                                                                                     |           | 180  | 50     | 69957326276 | £000.00 |
|                                                                                     |           | 240  | 50     | 69957326277 | £000.00 |
|                                                                                     |           | 320  | 50     | 69957326278 | £000.00 |
|                                                                                     |           | 400  | 50     | 69957326279 | £000.00 |

## PAD SAVER

| SIZE (mm) | TYPE / GRADE | PK QTY | ART NO.     | PRICE   |
|-----------|--------------|--------|-------------|---------|
| 150       | Multi-Air    | 1      | 69957328425 | £000.00 |
|           | 14+1 holes   | 1      | 69957328430 | £000.00 |



## SELF-GRIP & BEARTEX DISCS

Self-Grip discs have a quick release backing that allows fast and easy disc changing, increasing performance by minimising downtime. Made with premium abrasive grains for excellent cutting action providing a very homogenous and high quality finish. Depending on the grit size, Norton self-grip discs are ideal for preparing primed & painted surfaces, stripping primer, varnish & paint, sanding plastic & fibreglass, light weld blending & deburring and sanding bare wood.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ●  
Suitable ○

| MATERIALS                   | APPLICATIONS      |  |                              |                       |      |                            |       |      |
|-----------------------------|-------------------|--------------------------------------------------------------------------------------|------------------------------|-----------------------|------|----------------------------|-------|------|
|                             |                   | NORTON<br>PRO PLUS<br>A975                                                           | BLUE FIRE<br>NORZON<br>H835F | NORTON<br>PRO<br>A275 | H231 | NORTON<br>PRO FILM<br>Q275 | H425* | A290 |
|                             |                   | +++++                                                                                | +++++                        | ++++                  | ++++ | ++++                       | ++++  | +++  |
| Metal                       | Coarse sanding    |                                                                                      | ●                            |                       | ●    |                            |       | ○    |
|                             | Finishing         |                                                                                      | ●                            |                       | ●    |                            |       | ○    |
| Hard wood                   | Coarse sanding    |                                                                                      | ●                            | ○                     | ●    |                            | ●     |      |
|                             | Finishing         | ●                                                                                    | ●                            | ●                     | ●    | ●                          | ●     | ○    |
| Soft wood                   | Coarse sanding    |                                                                                      | ●                            | ●                     | ●    |                            | ●     | ○    |
|                             | Finishing         | ●                                                                                    | ●                            | ●                     | ●    | ●                          | ●     | ○    |
| Filler                      | Aluminium / metal | ●                                                                                    | ●                            | ●                     |      | ●                          |       | ○    |
|                             | Polyester         | ●                                                                                    | ●                            |                       |      |                            |       | ○    |
| Varnish /<br>paint / primer | Coarse sanding    |                                                                                      | ●                            | ●                     | ●    |                            |       | ○    |
|                             | Finishing         | ●                                                                                    | ●                            | ●                     | ○    | ●                          |       | ○    |
| Composites /<br>coatings    | Epoxy             |                                                                                      | ●                            |                       | ●    |                            |       | ○    |
|                             | Acrylic           | ●                                                                                    |                              | ●                     |      |                            |       | ○    |
|                             | Fibre glass       |                                                                                      | ●                            |                       | ●    |                            |       | ○    |
|                             | Finishing         | ●                                                                                    |                              | ●                     |      | ●                          |       | ○    |
| Plaster                     | Coarse sanding    |                                                                                      |                              |                       | ●    |                            | ○     | ●    |
|                             | Finishing         |                                                                                      |                              | ●                     | ○    |                            |       | ●    |
| Stone & glass               | Coarse sanding    |                                                                                      |                              |                       | ○    |                            | ●     |      |
|                             | Finishing         |                                                                                      |                              |                       | ○    |                            | ●     |      |

\*Available only has MTO



## HOLE PATTERNS

Discs are available with different hole patterns for improved dust extraction.

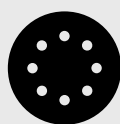
The most popular hole patterns available stock are shown below, other hole patterns available on request, check the MTO offering for more information.



ø76mm  
without holes



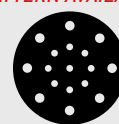
ø150mm  
without holes



ø125mm  
with 8 holes ø10mm  
on hole circle ø65mm



ø150mm  
with 15 holes ø9mm  
on hole circle ø120mm;  
6 holes ø9mm  
on hole circle ø80mm  
+ 1 centre hole ø17mm



**NEW HOLE  
PATTERN AVAILABLE**  
ø150mm  
with 17 holes  
8 holes ø10 mm  
on hole circle ø120mm;  
8 holes ø8mm  
on hole circle ø65mm  
+ 1 centre hole ø10mm

## NORTON PRO PLUS A975

- Norton SG ceramic grain blended with premium heat-treated aluminium oxide abrasive for higher & faster cut rate with uniform scratch pattern
- Fibre reinforced latex paper is flexible yet tear resistant
- No-fil® treatment reduces clogging during use and extends the life of the disc
- Also available with soft-touch foam backing



NON  
FERR.



PAINT/VARN.  
& HARD WOOD



|                                                                                     | DIAxH (mm)      | GRIT | PK QTY | BOX QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-----------------|------|--------|---------|-------------|---------|
|  | 150             | 80   | 100    | 400     | 63642523303 | £000.00 |
|                                                                                     |                 | 120  | 100    | 400     | 63642524766 | £000.00 |
|                                                                                     |                 | 150  | 100    | 400     | 63642557521 | £000.00 |
|                                                                                     |                 | 180  | 100    | 400     | 63642591994 | £000.00 |
|                                                                                     |                 | 240  | 100    | 400     | 63642591990 | £000.00 |
|                                                                                     | 150<br>15 holes | 80   | 100    | 400     | 66254477881 | £000.00 |
|                                                                                     |                 | 120  | 100    | 400     | 66254477879 | £000.00 |
|                                                                                     |                 | 150  | 100    | 400     | 66254477882 | £000.00 |
|                                                                                     |                 | 180  | 100    | 400     | 66254477883 | £000.00 |
|                                                                                     |                 | 220  | 100    | 400     | 66254477884 | £000.00 |
|                                                                                     |                 | 240  | 100    | 400     | 66254477885 | £000.00 |
|                                                                                     |                 | 280  | 100    | 400     | 66254477886 | £000.00 |
|                                                                                     |                 | 320  | 100    | 400     | 66254477887 | £000.00 |
|                                                                                     |                 | 400  | 100    | 400     | 66254477888 | £000.00 |
|                                                                                     |                 | 500  | 100    | 400     | 66254476601 | £000.00 |
|                                                                                     |                 | 600  | 100    | 400     | 63642532659 | £000.00 |
|                                                                                     |                 | 800  | 100    | 400     | 66254479091 | £000.00 |

See the Norton Automotive Aftermarket catalogue for the extended range of H975 Multi-Air self-grip & Multi-Air Soft Touch discs

## SELF-GRIP & BEARTEX DISCS

NEW HOLE  
PATTERN AVAILABLE

|                                                                                               | DIAXH (mm) | GRIT | PK QTY | BOX QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------------------|------------|------|--------|---------|-------------|---------|
| <br>17 holes | 150        | 80   | 100    | 400     | 69957306977 | £000.00 |
|                                                                                               |            | 120  | 100    | 400     | 69957306978 | £000.00 |
|                                                                                               |            | 150  | 100    | 400     | 69957306979 | £000.00 |
|                                                                                               |            | 180  | 100    | 400     | 69957306980 | £000.00 |
|                                                                                               |            | 220  | 100    | 400     | 69957306982 | £000.00 |
|                                                                                               |            | 240  | 100    | 400     | 69957306984 | £000.00 |
|                                                                                               |            | 280  | 100    | 400     | 69957306989 | £000.00 |
|                                                                                               |            | 320  | 100    | 400     | 69957306991 | £000.00 |
|                                                                                               |            | 400  | 100    | 400     | 69957306992 | £000.00 |
|                                                                                               |            | 500  | 100    | 400     | 69957307017 | £000.00 |
|                                                                                               |            | 600  | 100    | 400     | 69957307018 | £000.00 |
|                                                                                               |            | 800  | 100    | 400     | 69957307019 | £000.00 |

## BLUE FIRE NORZON H835

- Latest Norzon grain design with self-sharpening grain for great cut rate & extended product life
- Prevents premature clogging due to open grain distribution
- The best option for coarse sanding and finishing on hard materials
- High strength paper backing with excellent tear resistance and reduced curling & edge chipping

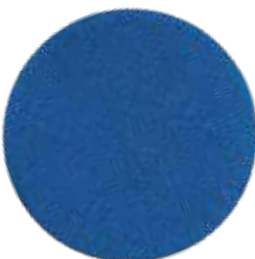


FERR.  
& NON FERR.



PAINT/VARN.  
& HARD WOOD



|                                                                                                 | DIAXH (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------------------|------------|------|--------|-------------|---------|
| <br>15 holes | 150        | 40   | 50     | 69957390933 | £000.00 |
|                                                                                                 |            | 60   | 50     | 69957390940 | £000.00 |
|                                                                                                 |            | 80   | 50     | 69957391248 | £000.00 |
|                                                                                                 |            | 120  | 100    | 69957391249 | £000.00 |
|                                                                                                 | 150        | 40   | 50     | 66254444904 | £000.00 |
|                                                                                                 |            | 60   | 50     | 66254444905 | £000.00 |
|                                                                                                 |            | 80   | 50     | 66254444908 | £000.00 |
|                                                                                                 |            | 120  | 100    | 66254444909 | £000.00 |

See the Norton Automotive Aftermarket catalogue for the extended range of H835 MultiAir self-grip discs



# NORTON PRO A275

- Heat treated aluminium oxide abrasive for faster cut rate and consistent scratch pattern for consistently good surface finish
- Can be used universally on different surfaces
- No-Fil® coating prevents premature clogging for a longer lasting disc
- Fibre reinforced latex paper is flexible yet tear resistant



NON  
FERR. 

PAINT/VARN,  
HARD & SOFT WOOD   

|                                                                                                        | DIAxH (mm)                                                                              | GRIT | PK QTY | BOX QTY | ART NO.     | PRICE   |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------|--------|---------|-------------|---------|
|                       | <br>76 | 80   | 50     | 100     | 63642585133 | £000.00 |
|                                                                                                        |                                                                                         | 120  | 50     | 100     | 63642585145 | £000.00 |
|                                                                                                        |                                                                                         | 150  | 50     | 100     | 63642585148 | £000.00 |
|                                                                                                        |                                                                                         | 180  | 50     | 100     | 63642585150 | £000.00 |
|                                                                                                        |                                                                                         | 220  | 50     | 100     | 63642585153 | £000.00 |
|                                                                                                        |                                                                                         | 240  | 50     | 100     | 63642585156 | £000.00 |
|                                                                                                        |                                                                                         | 320  | 50     | 100     | 63642569699 | £000.00 |
|                                                                                                        |                                                                                         | 400  | 50     | 100     | 63642585169 | £000.00 |
|                                                                                                        |                                                                                         | 500  | 50     | 100     | 69957391303 | £000.00 |
|                                                                                                        |                                                                                         | 800  | 50     | 100     | 63642585172 | £000.00 |
|                     | 150                                                                                     | 80   | 100    | 100     | 63642585184 | £000.00 |
|                                                                                                        |                                                                                         | 100  | 100    | 100     | 63642585186 | £000.00 |
|                                                                                                        |                                                                                         | 120  | 100    | 100     | 63642569701 | £000.00 |
|                                                                                                        |                                                                                         | 150  | 100    | 100     | 63642569702 | £000.00 |
|                                                                                                        |                                                                                         | 180  | 100    | 100     | 63642585190 | £000.00 |
|                                                                                                        |                                                                                         | 220  | 100    | 100     | 63642585194 | £000.00 |
|                                                                                                        |                                                                                         | 240  | 100    | 100     | 63642585197 | £000.00 |
|                                                                                                        |                                                                                         | 280  | 100    | 100     | 63642585199 | £000.00 |
|                                                                                                        |                                                                                         | 320  | 100    | 100     | 63642569704 | £000.00 |
|                                                                                                        |                                                                                         | 400  | 100    | 100     | 63642585214 | £000.00 |
| <br>150<br>15 holes | 150<br>15 holes                                                                         | 500  | 100    | 100     | 63642585217 | £000.00 |
|                                                                                                        |                                                                                         | 600  | 100    | 100     | 63642585220 | £000.00 |
|                                                                                                        |                                                                                         | 800  | 100    | 100     | 63642585223 | £000.00 |
|                                                                                                        |                                                                                         | 80   | 100    | 400     | 66254405540 | £000.00 |
|                                                                                                        |                                                                                         | 100  | 100    | 400     | 66254405542 | £000.00 |
|                                                                                                        |                                                                                         | 120  | 100    | 400     | 66254405528 | £000.00 |
|                                                                                                        |                                                                                         | 150  | 100    | 400     | 66254405530 | £000.00 |
|                                                                                                        |                                                                                         | 180  | 100    | 400     | 66254405546 | £000.00 |
|                                                                                                        |                                                                                         | 220  | 100    | 400     | 66254405548 | £000.00 |
|                                                                                                        |                                                                                         | 240  | 100    | 400     | 66254405549 | £000.00 |
|                                                                                                        |                                                                                         | 280  | 100    | 400     | 66254405550 | £000.00 |
|                                                                                                        |                                                                                         | 320  | 100    | 400     | 66254405539 | £000.00 |
|                                                                                                        |                                                                                         | 360  | 100    | 400     | 66254405551 | £000.00 |
|                                                                                                        |                                                                                         | 400  | 100    | 400     | 66254405552 | £000.00 |
|                                                                                                        |                                                                                         | 500  | 100    | 400     | 66254405553 | £000.00 |
|                                                                                                        |                                                                                         | 600  | 100    | 400     | 66254405554 | £000.00 |
|                                                                                                        |                                                                                         | 800  | 100    | 400     | 66254405555 | £000.00 |

## SELF-GRIP & BEARTEX DISCS

NEW HOLE  
PATTERN AVAILABLE

| DIAXH (mm)                                                                        | GRIT | PK QTY | BOX QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|------|--------|---------|-------------|---------|
|  | 80   | 100    | 400     | 69957307020 | £000.00 |
|                                                                                   | 120  | 100    | 400     | 69957307022 | £000.00 |
|                                                                                   | 150  | 100    | 400     | 69957307023 | £000.00 |
|                                                                                   | 180  | 100    | 400     | 69957307027 | £000.00 |
|                                                                                   | 220  | 100    | 400     | 69957307024 | £000.00 |
|                                                                                   | 240  | 100    | 400     | 69957307025 | £000.00 |
|                                                                                   | 280  | 100    | 400     | 69957307028 | £000.00 |
|                                                                                   | 320  | 100    | 400     | 69957307029 | £000.00 |
|                                                                                   | 360  | 100    | 400     | 69957307030 | £000.00 |
|                                                                                   | 400  | 100    | 400     | 69957307031 | £000.00 |
|                                                                                   | 500  | 100    | 400     | 69957307032 | £000.00 |
|                                                                                   | 600  | 100    | 400     | 69957307033 | £000.00 |
|                                                                                   | 800  | 100    | 400     | 69957307035 | £000.00 |

## H231

- Aluminium oxide abrasive for roughing, intermediate sanding & finishing of solid wood on floor & furniture applications
- Semi-open / open coat (depending on grit size) reduces clogging on the disc for longer life
- Finer grits are ideal for polishing metal, plastic & leather, smoothing filler and sanding primer, within vehicle repair markets
- Anti-static properties of the disc enable excellent surface quality



FERR.  
& NON FERR.



HARD  
WOOD

| DIAXH (mm)                                                                          | GRIT | PK QTY | BOX QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------|--------|---------|-------------|---------|
|  | 36   | 100    | 50      | 66261176734 | £000.00 |
|                                                                                     | 60   | 100    | 100     | 63642516174 | £000.00 |
|                                                                                     | 80   | 100    | 100     | 63642516175 | £000.00 |
|                                                                                     | 120  | 100    | 100     | 63642516176 | £000.00 |
|                                                                                     | 180  | 100    | 100     | 63642537389 | £000.00 |
|                                                                                     | 240  | 100    | 100     | 69957360184 | £000.00 |
|                                                                                     | 320  | 100    | 100     | 63642537390 | £000.00 |
|                                                                                     | 36   | 100    | 50      | 63642551458 | £000.00 |
|                                                                                     | 40   | 100    | 100     | 63642531875 | £000.00 |
|                                                                                     | 50   | 100    | 100     | 69957360119 | £000.00 |
|                                                                                     | 60   | 100    | 100     | 63642519158 | £000.00 |
|                                                                                     | 80   | 100    | 100     | 63642546787 | £000.00 |
|                                                                                     | 100  | 100    | 100     | 63642531872 | £000.00 |
|                                                                                     | 120  | 100    | 100     | 63642531871 | £000.00 |
|  | 150  | 100    | 100     | 69957360170 | £000.00 |
|                                                                                     | 180  | 100    | 100     | 63642536755 | £000.00 |
|                                                                                     | 240  | 100    | 100     | 63642546797 | £000.00 |

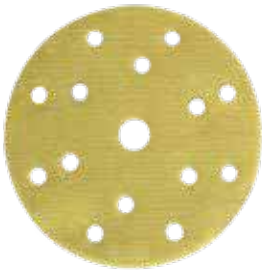


## NORTON PRO FILM Q275

- Heat-treated aluminium oxide grain for fast material removal and excellent performance on paint, varnish and fillers
- Flexible film backing is resistant to tearing and provides a consistent scratch pattern which reduces rework
- No-Fil® layer on the abrasive prevents dust build-up during sanding for significantly longer disc life
- Self-grip system for quick & easy disc changing, reducing process time



PAINT/VARN,  
HARD & SOFT WOOD 

| DIAXH (mm)                                                                                           | GRIT | PK QTY | BOX QTY | ART NO.     | PRICE   |
|------------------------------------------------------------------------------------------------------|------|--------|---------|-------------|---------|
| <br>150<br>15 holes | 80   | 100    | 400     | 77696085879 | £000.00 |
|                                                                                                      | 120  | 100    | 400     | 77696088028 | £000.00 |
|                                                                                                      | 150  | 100    | 400     | 77696088145 | £000.00 |
|                                                                                                      | 180  | 100    | 400     | 77696088146 | £000.00 |
|                                                                                                      | 220  | 100    | 400     | 77696088147 | £000.00 |
|                                                                                                      | 240  | 100    | 400     | 77696088149 | £000.00 |
|                                                                                                      | 320  | 100    | 400     | 77696088150 | £000.00 |
|                                                                                                      | 400  | 100    | 400     | 77696088151 | £000.00 |
|                                                                                                      | 500  | 100    | 400     | 77696088152 | £000.00 |
|                                                                                                      | 600  | 100    | 400     | 77696088153 | £000.00 |
|                                                                                                      | 800  | 100    | 400     | 77696088154 | £000.00 |
|                                                                                                      | 1000 | 100    | 400     | 77696088155 | £000.00 |
|                                                                                                      | 1200 | 100    | 400     | 77696088156 | £000.00 |
|                                                                                                      | 1500 | 100    | 400     | 77696088388 | £000.00 |

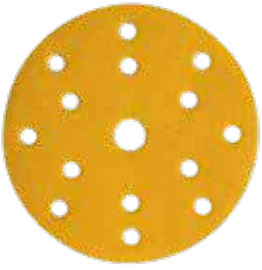
## A290

- Aluminium oxide grain for good material removal on paint, varnish and fillers
- Flexible paper backing is resistant to tearing and provides a consistent scratch pattern which reduces rework
- No-Fil® layer prevents dust build-up during sanding for good disc life
- Self-grip system for quick & easy disc changing, reducing process time



FERR.  
& NON FERR. 

PAINT/VARN,  
HARD & SOFT WOOD 

| DIAXH (mm)                                                                                             | GRIT | PK QTY | BOX QTY | ART NO.     | PRICE   |
|--------------------------------------------------------------------------------------------------------|------|--------|---------|-------------|---------|
| <br>150<br>15 holes | 80   | 100    | 400     | 66261108767 | £000.00 |
|                                                                                                        | 120  | 100    | 400     | 66261108803 | £000.00 |
|                                                                                                        | 150  | 100    | 400     | 66261108804 | £000.00 |
|                                                                                                        | 180  | 100    | 400     | 66261108805 | £000.00 |
|                                                                                                        | 220  | 100    | 400     | 66261108806 | £000.00 |
|                                                                                                        | 240  | 100    | 400     | 66261108807 | £000.00 |
|                                                                                                        | 320  | 100    | 400     | 66261108809 | £000.00 |
|                                                                                                        | 400  | 100    | 400     | 66261108810 | £000.00 |
|                                                                                                        | 500  | 100    | 400     | 66261108811 | £000.00 |

See the Norton Automotive Aftermarket catalogue for the extended range of A290 discs

Dimensions Key: DIM = Dimensions, DIA = Diameter, H = Hole

## SELF-GRIP &amp; BEARTEX DISCS

BEARTEX 

- 3 dimensional disc that conforms to work surface & provides a uniform finish
- Gentle action that easily removes burrs without affecting the dimension of the workpiece
- Non-loading and ideal for finishing solid surface materials
- In Self Grip and Plain backing



|                                                                                   | DIAXH (mm)                                                                                   | GRADE                                   | CAP CODE     | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------|--------------|--------|-------------|---------|
|  | 150                                                                                          | BEARTEX SELF-GRIP DUST HOLE DISCS       |              |        |             |         |
|                                                                                   | <br>7 holes | F2560                                   | Very fine A  | 10     | 69957383151 | £000.00 |
|                                                                                   |                                                                                              | F4802                                   | Ultra fine S | 10     | 69957383158 | £000.00 |
|                                                                                   |                                                                                              | F2801                                   | Micro fine A | 10     | 69957383162 | £000.00 |
|                                                                                   | 150                                                                                          | BEARTEX SELF-GRIP PLAIN DISCS           |              |        |             |         |
|                                                                                   |             | F2560                                   | Very fine A  | 10     | 63642574240 | £000.00 |
|                                                                                   |                                                                                              | F4660                                   | Ultra fine S | 10     | 63642581769 | £000.00 |
|                                                                                   |                                                                                              | BEARTEX PLAIN DISCS (WITHOUT SELF-GRIP) |              |        |             |         |
|                                                                                   |           | F2560                                   | Very fine A  | 10     | 63642557497 | £000.00 |
|                                                                                   |                                                                                              | F4807                                   | Ultra fine S | 10     | 63642557498 | £000.00 |

**NEW** BEARTEX 

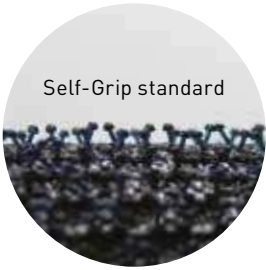
|  |                                                                                     |                               |                        |    |             |         |
|--|-------------------------------------------------------------------------------------|-------------------------------|------------------------|----|-------------|---------|
|  | 150                                                                                 | BEARTEX SELF-GRIP PLAIN DISCS |                        |    |             |         |
|  |  | F2316                         | Medium A<br>Heavy duty | 20 | 66261121312 | £000.00 |

## SELF-GRIP BACK-UP PADS

## PRODUCT SELECTION GUIDE BACK-UP PADS

| APPLICATION                                                                                                                | DENSITY                             |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Heavy duty sanding, best for flattening surfaces or dimensioning                                                           | <b>HARD</b><br>Blue Rubber          |
| Scruffing, shaping, sanding & finishing<br>For use on filler, primer, paint, clear coat, wood, plaster, composites & metal | <b>MEDIUM</b><br>Black Rubber       |
| Final sanding, to obtain the best finishes                                                                                 | <b>SOFT</b><br>Orange Foam / Rubber |
| MACHINE                                                                                                                    | ATTACHMENT TYPE                     |
| Electrical angle grinder                                                                                                   | M14                                 |
| Electrical & pneumatic grinders (US tools)                                                                                 | 5/8                                 |
| Festo orbital sander                                                                                                       | M8                                  |
| Other orbital sanders                                                                                                      | 5/16                                |

Packed in clear individual display box including: safety recommendations, product information, mounting instructions, versatile attachment system (Festool M8 and standard 5/16) and allen wrench.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DIM<br>DIAxH (mm)                                                                                      | THREAD    | DENSITY | PK QTY | ART NO.      | PRICE   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------|---------|--------|--------------|---------|
|  <p>Self-Grip standard</p> <p>*The 76mm back-up pad is a universal attachment system for both Self-Grip and self-adhesive discs. It provides the maximum flexibility and optimal finishing results. The Self-Grip DUO combines an innovative design of gripping structures in the shape of flat-top mushrooms which provides a highly uniform finish while allowing both self-adhesive and Self-Grip discs to be used on this unique system</p> | 76<br><br>No holes    | 5/16"     | Medium  | 6      | 63642567810* | £000.00 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 125<br><br>8 holes    | 5/16"     | Medium  | 3      | 69957350739  | £000.00 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 125<br><br>No holes   | M14       | Medium  | 3      | 69957350744  | £000.00 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 150<br><br>No holes   | 5/16 & M8 | Medium  | 1      | 66623338436  | £000.00 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 150<br><br>No holes  | M14       | Medium  | 3      | 63642567812  | £000.00 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 150<br><br>15 holes | 5/16 & M8 | Hard    | 1      | 66623338451  | £000.00 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                        |           | Medium  | 1      | 66623338450  | £000.00 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                        |           | Soft    | 1      | 66623338452  | £000.00 |

## FOAM INTERFACE BACK-UP PADS SELF-GRIP



|                                                                                     | DIA (mm)                                                                                   | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------|-------------|---------|
|  | 76<br>  | 10     | 69957394589 | £000.00 |
|                                                                                     | 150<br> | 10     | 07660719360 | £000.00 |

Dimensions Key: DIM = Dimensions, DIA = Diameter



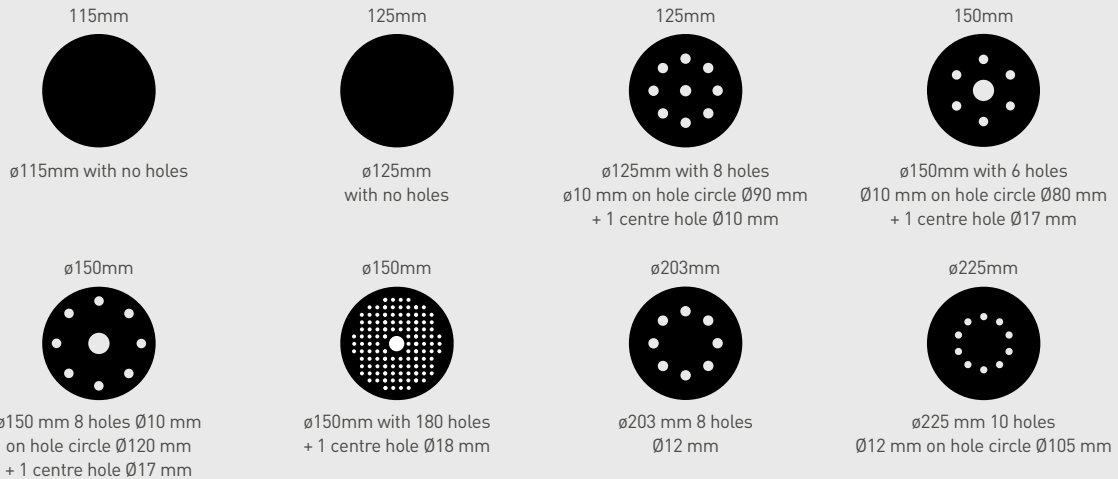
Specially designed to give optimum results with very fine grit abrasives, the Norton foam interface easily conforms to contours. The interfaces are specifically developed for finishing operations to reduce risk of scratching the work piece. Use the foam interface between the Norton self-grip back-up pad and the self-grip abrasive disc.



## SELF-GRIP &amp; BEARTEX DISCS

## HOLE PATTERNS FOR DISCS AVAILABLE AS MADE-TO-ORDER

Other sizes and hole patterns available on request



## MADE-TO-ORDER PRODUCT AVAILABILITY

FOR SELF-GRIP DISCS

| PRODUCT / GRIT         | 36 | 40 | 60 | 80 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1500 |
|------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Norton Pro Plus A975   |    |    |    | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   |      |      |      |
| Blue Fire Norzon H835F |    | •  | •  | •  | •   |     | •   |     |     |     |     |     |     |     |     |      |      |      |
| Norton Pro A275        |    |    |    | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   |      |      |      |
| H231                   | •  | •  | •  | •  | •   | •   | •   |     | •   |     | •   |     |     |     |     |      |      |      |
| Norton Pro Film Q275   |    |    |    | •  | •   | •   | •   | •   | •   |     | •   | •   | •   | •   | •   | •    | •    | •    |
| H425*                  | •  | •  | •  | •  | •   |     | •   | •   |     |     | •   | •   |     | •   | •   |      |      |      |
| A290                   |    |    | •  | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   |     |     |      |      |      |

\* Available only as MTO

## MINIMUM ORDER QUANTITY

| DIAMETER (mm)   | MINIMUM ORDER QUANTITY |
|-----------------|------------------------|
| Up to 50mm      | 4000 pieces            |
| 51 up to 90mm   | 2500 pieces            |
| 91 up to 125mm  | 2000 pieces            |
| 126 up to 200mm | 1000 pieces            |
| 201 up to 420mm | 200 pieces             |
| Over 421mm      | 25 pieces              |

Norton offers a variety of discs, including the Multi-Air family, featuring Norton Cyclonic, the latest generation of discs for all applications from sanding to polishing.

For more information, see the Norton Automotive Catalogue, or contact your local sales representative.



## SCREENBACK DISCS FOR WALL & CEILING SANDING

Norton offers a complete solution of screenback discs to suit the most common applications including ceiling and wooden floor sanding.

### PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ●



| MATERIALS              | APPLICATIONS        | Q43N | Q421 |
|------------------------|---------------------|------|------|
|                        |                     | +++  | +++  |
| Wall & ceiling sanding | Surface preparation | ●    | ●    |
| Wood floor sanding     | Surface preparation | ●    | ●    |
|                        | Between coats       | ●    | ●    |

#### Q43N +++

- Sharp silicon carbide grain for aggressive and fast cut
- Open-mesh structure for reduced clogging & longer life
- Ideal for wall & ceiling surface preparation.
- Open self-grip backing can be used on machines with dust extraction to reduce dust generation when sanding plaster

PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD



| DIAxH (mm)                                                                              | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------------|------|--------|-------------|---------|
|  225 | 60   | 25     | 66623332303 | £000.00 |
|                                                                                         | 80   | 25     | 66623332310 | £000.00 |
|                                                                                         | 100  | 25     | 66623332311 | £000.00 |
|                                                                                         | 120  | 25     | 66623332313 | £000.00 |
|                                                                                         | 150  | 25     | 66623332318 | £000.00 |
|                                                                                         | 220  | 25     | 66623332322 | £000.00 |

Dimensions Key: DIM = Dimensions, DIA = Diameter

#### Q421 +++

- Silicon carbide abrasive for aggressive and fast cut
- Open-mesh backing to reduce clogging & loading
- Designed for wood floor sanding
- Can be used for wet or dry applications

PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD



| DIAxH (mm)                                                                              | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------------|------|--------|-------------|---------|
|  406 | 60   | 10     | 66261120519 | £000.00 |
|                                                                                         | 80   | 10     | 63642536521 | £000.00 |
|                                                                                         | 100  | 10     | 66261120517 | £000.00 |
|                                                                                         | 120  | 10     | 66261120516 | £000.00 |
|                                                                                         | 150  | 10     | 63642536524 | £000.00 |
|                                                                                         | 180  | 10     | 63642515105 | £000.00 |
|                                                                                         | 220  | 10     | 63642552254 | £000.00 |





## PLAIN DISCS FOR FLOOR SANDING

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

### PRODUCT SELECTION GUIDE

Highly Recommended ●  
Recommended ●

| MATERIAL / APPLICATIONS       |                     | H425 | S422 * | H231 |
|-------------------------------|---------------------|------|--------|------|
|                               |                     | ++++ | ++++   | ++++ |
| Wood (floor sanding)<br>Stone | Surface preparation | ●    | ●      | ●    |
|                               | Coarse sanding      | ●    | ●      |      |
|                               | Finishing           | ●    | ●      |      |

\*MTO

### H425 **++++**

- Sharp silicon carbide abrasive grain for aggressive and high cut rate
- Strong E-weight paper ideal for use on stone surfaces
- For dry applications only



| SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------|------|--------|-------------|---------|
| 150 x 12  | 36   | 50     | 63642546553 | £000.00 |
|           | 40   | 100    | 69957360199 | £000.00 |
|           | 50   | 100    | 63642546525 | £000.00 |
|           | 60   | 100    | 63642546527 | £000.00 |
|           | 80   | 100    | 63642546529 | £000.00 |
|           | 100  | 100    | 69957360218 | £000.00 |



STONE



HARD &  
SOFT WOOD



## PLAIN DISCS FOR FLOOR SANDING

### H231

- High performance aluminium oxide abrasive with anti-static properties for longer life and excellent surface quality
- Semi-open / open coat (depending on grit size) to improve resistance to clogging
- Ideal for roughing, intermediate sanding & finishing of solid wood on floor



FERR.  
& NON FERR.



PAINT/VARN.  
HARD & SOFT WOOD



| SIZE (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------|------|--------|-------------|---------|
| 350 x 40  | 40   | 10     | 63642540076 | £000.00 |
|           | 50   | 10     | 63642540078 | £000.00 |
|           | 60   | 10     | 63642540079 | £000.00 |
|           | 80   | 10     | 63642540080 | £000.00 |

Dimensions Key: DIM = Dimensions, DIA = Diameter, H = Hole



To remove swirl marks left from edging, consider sanding the edges with an orbital sander. For best results and to avoid halos, use the same grit on the orbital sander as you previously used on the edger. The super sharp ceramic alumina grain will easily remove edger marks and produce a scratch free finish. See section selfgrit discs for further information about range.

## MADE-TO-ORDER PRODUCT AVAILABILITY

| PRODUCT / GRIT | 24 | 36 | 40 | 60 | 80 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 400 | 600 | 800 | 1000 |
|----------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| H425           | •  | •  | •  | •  | •  | •   |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| S422*          | •  | •  | •  | •  | •  |     |     |     |     |     |     |     |     |     |     |      |
| H231           |    | •  | •  | •  | •  | •   | •   | •   | •   | •   | •   | •   | •   |     |     |      |

Hole patterns for discs available as MTO, other sizes and hole patterns available on request

• Available



ø 115mm with 22,23mm slotted hole  
ø 125mm with 22,23mm slotted hole

### MINIMUM ORDER QUANTITY

| DIAMETER (mm)   | MINIMUM ORDER QUANTITY |
|-----------------|------------------------|
| Up to 125mm     | 2000 pieces            |
| 126 up to 200mm | 1000 pieces            |
| 201 up to 420mm | 200 pieces             |
| Over 421mm      | 25 pieces              |

### AVAILABLE ON REQUEST DOUBLE SIDED ABRASIVE DISCS

Available on request a full range of 100% silicon carbide abrasive coated discs with abrasive on both sides for twice the life, quick switch, no PSA contamination, increased tear resistance. Contact your local sales representative.



## BEARTEX FLOOR PADS FOR FLOOR SANDING MACHINES

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

### BEARTEX FLOOR PADS

|                                                                 | DIA (mm)                        | CAP<br>CODE | GRADE             | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------|---------------------------------|-------------|-------------------|--------|-------------|---------|
|                                                                 | STANDARD FLOOR PADS 25mm THICK  |             |                   |        |             |         |
|                                                                 | 406                             | JF175       | White Super Gloss | 5      | 63642585892 | £000.00 |
|                                                                 |                                 | JF176       | Red Buffer        | 5      | 63642585890 | £000.00 |
|                                                                 |                                 | JF177       | Beige             | 5      | 63642585873 | £000.00 |
|                                                                 |                                 | JF178       | Black Super Strip | 5      | 63642585841 | £000.00 |
|                                                                 |                                 | JF180       | Green Super Scrub | 5      | 63642585877 | £000.00 |
|                                                                 |                                 | JF181       | Blue Super Clean  | 5      | 63642585868 | £000.00 |
| All standard floor pads come with an 89mm removable centrepiece |                                 |             |                   |        |             |         |
|                                                                 | THIN LINE FLOOR PADS 15mm THICK |             |                   |        |             |         |
|                                                                 | 406                             | JU014       | Black             | 10     | 63642585895 | £000.00 |
|                                                                 |                                 | JF068       | Green             | 10     | 63642585899 | £000.00 |
|                                                                 |                                 | JF040       | Beige             | 10     | 63642585903 | £000.00 |
|                                                                 |                                 | JF175       | White             | 10     | 63642585904 | £000.00 |

### PRODUCT SELECTION

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

### PRODUCT SELECTION GUIDE

| MATERIALS / APPLICATIONS | HIGHLY RECOMMENDED | RECOMMENDED | SUITABLE |
|--------------------------|--------------------|-------------|----------|
| Wood - floor sanding     | JF178              | JF181       | JF177    |



**NORTON**

SAINT-GOBAIN

COATED  
ABRASIVES

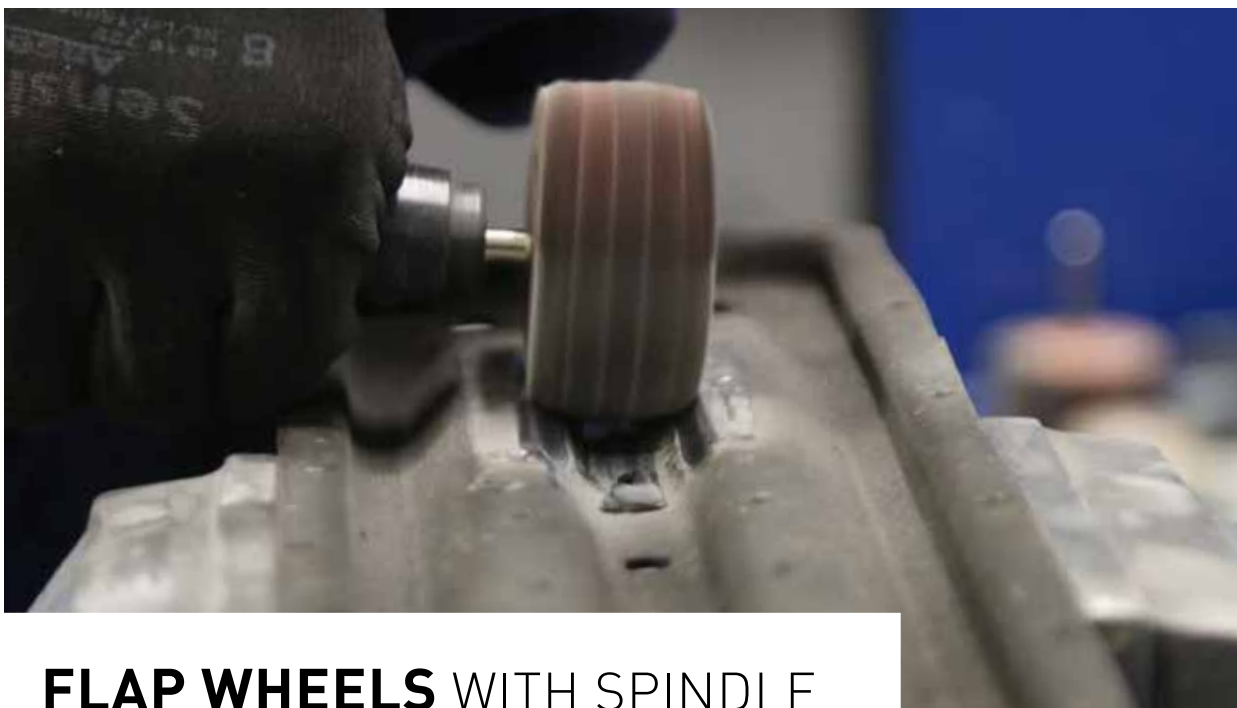
# WHEELS

Flap wheels  
Convolute wheels  
Rapid Strip wheels

108  
131  
136

Rapid Blend unitised wheels  
High strength discs

138  
140



## FLAP WHEELS WITH SPINDLE

Flap wheels conform to intricate shapes and contours. Designed to deliver a consistent finish with a uniform rate of cut, they wear away evenly and without residue, continually exposing fresh abrasives.

Wheels are designed with a 3 or 6mm steel shank which runs through the wheel creating better balance, a reduction of chatter, and reduced operator fatigue. They also permit quick changes on air tools when using other abrasive products.

Flap wheels with shaft achieve their best performance at a recommended speed of 15-25m/s. Optimizing stock removal, surface finish, thermal load of the workpiece and toll wear.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ◐



| MATERIALS                                        | <b>NEW</b> NORTON<br>QUANTUM | X-TREME<br>R822 | X-TREME S<br>R427 | <b>NEW</b> BDX<br>R207Plus |
|--------------------------------------------------|------------------------------|-----------------|-------------------|----------------------------|
|                                                  | +++++                        | ++++            | ++++              | +++                        |
| Stainless steel, inox & duplex                   | ●                            | ◐               |                   |                            |
| Inconel, titanium & super alloys                 | ●                            | ◐               |                   |                            |
| Carbon steel, construction steel<br>& mild steel | ●                            | ●               |                   | ●                          |
| Cast iron                                        | ◐                            | ●               |                   | ●                          |
| Non-ferrous metal (brass /aluminium)             |                              |                 | ●                 | ●                          |
| Hard & soft wood                                 |                              | ●               | ◐                 | ◐                          |
| Composite materials                              |                              |                 | ●                 | ◐                          |
| Stone, concrete                                  |                              |                 | ●                 | ◐                          |
| Glass, plastic                                   |                              |                 | ●                 | ◐                          |





## NEW NORTON QUANTUM

### HIGH PERFORMANCE

- The best choice for use on stainless steel, inconels, chromium cobalt, titanium and extremely hard materials
- Aggressive cut removes defects quickly and effectively
- Additional supersize layer minimises heat build-up on the workpiece for a cooler cut and longer life
- CERAMIC ALUMINIUM OXIDE grain for greatest durability, longest life on tough applications and stainless steel

METAL  
INOX

|                                                                                     | DIM<br>DIAxWxS (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-------------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
|  | 30x15x6             | 40   | 10     | 66261154243 | 9500 - 15900               | £000.00 |
|                                                                                     |                     | 60   | 10     | 66261154300 |                            | £000.00 |
|                                                                                     |                     | 80   | 10     | 66261154301 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261154871 |                            | £000.00 |
|                                                                                     | 40x20x6             | 40   | 10     | 66261154302 | 7100 - 12000               | £000.00 |
|                                                                                     |                     | 60   | 10     | 66261154305 |                            | £000.00 |
|                                                                                     |                     | 80   | 10     | 66261154306 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261154307 |                            | £000.00 |
|                                                                                     | 60x15x6             | 40   | 10     | 66261154308 | 4800 - 7900                | £000.00 |
|                                                                                     |                     | 60   | 10     | 66261154312 |                            | £000.00 |
|                                                                                     |                     | 80   | 10     | 66261154313 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261154314 |                            | £000.00 |
|                                                                                     | 60x30x6             | 40   | 10     | 66261154315 | 4800 - 7900                | £000.00 |
|                                                                                     |                     | 60   | 10     | 66261154316 |                            | £000.00 |
|                                                                                     |                     | 80   | 10     | 66261154318 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261154320 |                            | £000.00 |
|                                                                                     | 80x30x6             | 40   | 10     | 66261154323 | 3600 - 6000                | £000.00 |
|                                                                                     |                     | 60   | 10     | 66261154325 |                            | £000.00 |
|                                                                                     |                     | 80   | 10     | 66261154338 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261154339 |                            | £000.00 |
|                                                                                     | 80x50x6             | 40   | 10     | 66261154340 | 3600 - 6000                | £000.00 |
|                                                                                     |                     | 60   | 10     | 66261154341 |                            | £000.00 |
|                                                                                     |                     | 80   | 10     | 66261154343 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261154344 |                            | £000.00 |



Grinding on stainless steel generates a considerable amount of heat; using a Norton Pink flap wheel improves cut, finish and reduces heat generation and workpiece burn.

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

## FLAP WHEELS WITH SPINDLE

### X-TREME R822

- Self-sharpening ZIRCONIA ALUMINA grain for use on stainless steel and resistant alloys
- Aggressive cutting action means a faster finish per part, maximising throughput
- Ideal for grinding, shaping, blending, edge breaking & weld removal
- Achieves a good linear finish thanks to load resistance for a regular cut rate



|                                                                                    | DIM<br>DIAxWxS (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|------------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
|   | 30x20x6             | 40   | 10     | 66261033325 | 9500 - 15900               | £000.00 |
|                                                                                    |                     | 60   | 10     | 66261139984 |                            | £000.00 |
|                                                                                    |                     | 80   | 10     | 66261139986 |                            | £000.00 |
|                                                                                    | 40x20x6             | 40   | 10     | 69957300004 | 7100 - 12000               | £000.00 |
|                                                                                    |                     | 60   | 10     | 69957300006 |                            | £000.00 |
|                                                                                    |                     | 80   | 10     | 69957300007 |                            | £000.00 |
|                                                                                    | 50x20x6             | 40   | 10     | 66261139987 | 5700 - 9500                | £000.00 |
|                                                                                    |                     | 60   | 10     | 69957300009 |                            | £000.00 |
|                                                                                    |                     | 80   | 10     | 69957300013 |                            | £000.00 |
|  | 60x30x6             | 40   | 10     | 63642539952 | 4800 - 7900                | £000.00 |
|                                                                                    |                     | 60   | 10     | 63642536547 |                            | £000.00 |
|                                                                                    |                     | 80   | 10     | 63642539953 |                            | £000.00 |
|                                                                                    | 80x30x6             | 40   | 10     | 63642539954 | 3600 - 6000                | £000.00 |
|                                                                                    |                     | 60   | 10     | 63642539955 |                            | £000.00 |
|                                                                                    |                     | 80   | 10     | 63642536548 |                            | £000.00 |
|                                                                                    | 80x50x6             | 40   | 10     | 69957300015 | 3600 - 6000                | £000.00 |
|                                                                                    |                     | 60   | 10     | 63642578253 |                            | £000.00 |
|                                                                                    |                     | 80   | 10     | 69957300019 |                            | £000.00 |

Reducing the working pressure and the peripheral speeds of the abrasive wheels results in reduced heat generation on the workpiece and the tool, eliminating burn marks and improving finish.

# X-TREME S R427

- Hard SILICONE CARBIDE grain for use on copper, titanium, bronze, brass, non-ferrous materials, stone, glass and plastic
- Ideal for grinding, shaping, blending, edge breaking & weld removal
- Conforms to irregular shaped components and contours, for a finer and more even surface finishing
- Achieves a high initial cut and penetration, maintained throughout the life of the product



|                                                                                   | DIM<br>DIAxWxS (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-----------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
|  | 20x10x3             | 60   | 10     | 66261128665 | 14300 - 23900              | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261128667 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261128668 |                            | £000.00 |
|                                                                                   |                     | 150  | 10     | 66261128670 |                            | £000.00 |
|                                                                                   | 20x20x6             | 60   | 10     | 66261126592 | 14300 - 23900              | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261126593 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261126598 |                            | £000.00 |
|                                                                                   | 30x10x6             | 60   | 10     | 66261127026 | 9500 - 15900               | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261127027 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261127028 |                            | £000.00 |
|                                                                                   |                     | 150  | 10     | 66261127029 |                            | £000.00 |
|                                                                                   | 40x20x6             | 60   | 10     | 66261127119 | 7100 - 12000               | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261127120 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261127122 |                            | £000.00 |
|                                                                                   | 50x30x6             | 60   | 10     | 66261127246 | 5700 - 9500                | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261127247 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261127248 |                            | £000.00 |
|                                                                                   | 60x30x6             | 60   | 10     | 66261127264 | 4800 - 7900                | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261127265 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261127266 |                            | £000.00 |
|                                                                                   |                     | 150  | 10     | 66261127271 |                            | £000.00 |



## NEW BDX R207Plus

- Excellent cut rate even at low-pressure when used for finishing operations,
- A universal product which achieves a good finish on steel and stainless steel
- New generation of premium aluminium oxide grain provides an aggressive cut yet long product life
- Conforms to the workpiece thanks to the flexible cotton backing



FERR.  
& NON FERR.



|                                                                                     | DIM<br>DIAxWxS (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-------------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
| 3mm SHAFT                                                                           |                     |      |        |             |                            |         |
|  | 15x15x3             | 60   | 10     | 66261139936 | 19000 - 31800              | £000.00 |
|                                                                                     |                     | 80   | 10     | 66261139944 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261139945 |                            | £000.00 |
|                                                                                     |                     | 180  | 10     | 66261139947 |                            | £000.00 |
|                                                                                     |                     | 320  | 10     | 66261139948 |                            | £000.00 |
|                                                                                     | 20x10x3             | 60   | 10     | 66261139960 | 14300 - 23900              | £000.00 |
|                                                                                     |                     | 80   | 10     | 66261139962 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261139964 |                            | £000.00 |
|                                                                                     |                     | 180  | 10     | 66261139966 |                            | £000.00 |
|                                                                                     |                     | 320  | 10     | 66261139967 |                            | £000.00 |
|  | 30x10x3             | 60   | 10     | 66261139974 | 9500 - 15900               | £000.00 |
|                                                                                     |                     | 80   | 10     | 63642536733 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261139976 |                            | £000.00 |
|                                                                                     |                     | 180  | 10     | 66261139978 |                            | £000.00 |
|                                                                                     |                     | 320  | 10     | 66261135146 |                            | £000.00 |
| † +25% performance upgrade                                                          |                     |      |        |             |                            |         |
| 6mm SHAFT                                                                           |                     |      |        |             |                            |         |
|  | 20x10x6             | 40   | 10     | 77696007699 | 14300 - 23900              | £000.00 |
|                                                                                     |                     | 60   | 10     | 66261193703 |                            | £000.00 |
|                                                                                     |                     | 80   | 10     | 66623329045 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261137904 |                            | £000.00 |
|                                                                                     | 25x20x6             | 40   | 10     | 66261100608 | 11500 - 19000              | £000.00 |
|                                                                                     |                     | 60   | 10     | 66261106190 |                            | £000.00 |
|                                                                                     |                     | 80   | 10     | 77696086608 |                            | £000.00 |
|                                                                                     |                     | 120  | 10     | 66261137918 |                            | £000.00 |



+25% performance upgrade

## 6mm SHAFT



|         |     |    |             |              |         |
|---------|-----|----|-------------|--------------|---------|
| 30x10x6 | 40  | 10 | 66261138103 | 9500 - 15900 | £000.00 |
|         | 60  | 10 | 63642545207 |              | £000.00 |
|         | 80  | 10 | 63642537371 |              | £000.00 |
|         | 120 | 10 | 63642552728 |              | £000.00 |
| 30x15x6 | 40  | 10 | 66261056890 | 9500 - 15900 | £000.00 |
|         | 60  | 10 | 63642513148 |              | £000.00 |
|         | 80  | 10 | 63642561466 |              | £000.00 |
|         | 120 | 10 | 63642551593 |              | £000.00 |
|         | 180 | 10 | 66261138106 |              | £000.00 |
|         | 240 | 10 | 63642547341 |              | £000.00 |
|         | 320 | 10 | 63642513149 |              | £000.00 |
| 30x30x6 | 40  | 10 | 66261138108 | 9500 - 15900 | £000.00 |
|         | 60  | 10 | 66254410858 |              | £000.00 |
|         | 80  | 10 | 66261063210 |              | £000.00 |
|         | 120 | 10 | 66261138109 |              | £000.00 |
|         | 180 | 10 | 66623331386 |              | £000.00 |
| 40x15x6 | 40  | 10 | 63642539937 | 7100 - 12000 | £000.00 |
|         | 60  | 10 | 63642533099 |              | £000.00 |
|         | 80  | 10 | 63642533098 |              | £000.00 |
|         | 120 | 10 | 63642533094 |              | £000.00 |
|         | 180 | 10 | 66261138192 |              | £000.00 |
|         | 240 | 10 | 69957360895 |              | £000.00 |
| 40x20x6 | 40  | 10 | 63642539938 | 7100 - 12000 | £000.00 |
|         | 60  | 10 | 63642546771 |              | £000.00 |
|         | 80  | 10 | 63642546768 |              | £000.00 |
|         | 120 | 10 | 63642546760 |              | £000.00 |
|         | 180 | 10 | 66261066179 |              | £000.00 |
|         | 240 | 10 | 63642539939 |              | £000.00 |
|         | 320 | 10 | 63642539940 |              | £000.00 |
| 50x20x6 | 40  | 10 | 63642546774 | 5700 - 9500  | £000.00 |
|         | 60  | 10 | 63642531870 |              | £000.00 |
|         | 80  | 10 | 63642533097 |              | £000.00 |
|         | 120 | 10 | 63642546759 |              | £000.00 |
|         | 180 | 10 | 66261138275 |              | £000.00 |
|         | 240 | 10 | 63642546724 |              | £000.00 |
| 50x30x6 | 40  | 10 | 63642539943 | 5700 - 9500  | £000.00 |
|         | 60  | 10 | 63642534251 |              | £000.00 |
|         | 80  | 10 | 63642561879 |              | £000.00 |
|         | 120 | 10 | 63642531863 |              | £000.00 |
|         | 180 | 10 | 66261136117 |              | £000.00 |
|         | 240 | 10 | 66261138276 |              | £000.00 |
| 60x15x6 | 40  | 10 | 63642546773 | 4800 - 7900  | £000.00 |
|         | 60  | 10 | 69957360901 |              | £000.00 |
|         | 80  | 10 | 63642546767 |              | £000.00 |
|         | 120 | 10 | 63642546758 |              | £000.00 |
|         | 180 | 10 | 66261138277 |              | £000.00 |
|         | 240 | 10 | 69957360903 |              | £000.00 |



† +25% performance upgrade



## FLAP WHEELS WITH SPINDLE

|                                                                                   | DIM<br>DIAxWxS (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-----------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
| 6mm SHAFT                                                                         |                     |      |        |             |                            |         |
|  | 60x20x6             | 40   | 10     | 63642536738 | 4800 - 7900                | £000.00 |
|                                                                                   |                     | 60   | 10     | 63642531869 |                            | £000.00 |
|                                                                                   |                     | 80   | 10     | 63642531866 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 63642531862 |                            | £000.00 |
|                                                                                   |                     | 180  | 10     | 66261138279 |                            | £000.00 |
|                                                                                   |                     | 240  | 10     | 63642539770 |                            | £000.00 |
|                                                                                   | 60x30x6             | 40   | 10     | 63642536737 | 7100 - 12000               | £000.00 |
|                                                                                   |                     | 60   | 10     | 63642531868 |                            | £000.00 |
|                                                                                   |                     | 80   | 10     | 63642531865 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 63642531861 |                            | £000.00 |
|                                                                                   |                     | 180  | 10     | 66261090663 |                            | £000.00 |
|                                                                                   |                     | 240  | 10     | 63642546694 |                            | £000.00 |
|                                                                                   | 60x40x6             | 40   | 10     | 66261138280 | 5700 - 9500                | £000.00 |
|                                                                                   |                     | 60   | 10     | 66261056891 |                            | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261056892 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261056893 |                            | £000.00 |
|                                                                                   |                     | 180  | 10     | 66261138281 |                            | £000.00 |
|                                                                                   | 80x30x6             | 40   | 10     | 69957360911 | 5700 - 9500                | £000.00 |
|                                                                                   |                     | 60   | 10     | 63642531867 |                            | £000.00 |
|                                                                                   |                     | 80   | 10     | 63642533096 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 63642534250 |                            | £000.00 |
|                                                                                   |                     | 180  | 10     | 66261138283 |                            | £000.00 |
|                                                                                   | 80x50x6             | 40   | 10     | 69957360914 | 5700 - 9500                | £000.00 |
|                                                                                   |                     | 60   | 10     | 63642559718 |                            | £000.00 |
|                                                                                   |                     | 80   | 10     | 69957360916 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 69957360917 |                            | £000.00 |
|                                                                                   |                     | 180  | 10     | 66261138284 |                            | £000.00 |



† +25% performance upgrade



To prevent unnecessary tool wear, use a coarser grit size instead of increasing contact pressure. For a finer surface finish, increase the cutting speed. Using the same grit size, the finish will be rougher on softer materials.



## NEW BDX R207PLUS - SLOTTED FLAP WHEELS

- A universal product which achieves a good finish on steel and stainless steel
- The aluminium oxide grain provides an aggressive cut yet long product life
- The slotted flaps improve flexibility and ease of use, conforming easily to contours and hard to reach areas
- Good cut rate on low-pressure finishing operations with ability to leave a very good finish

|                                                                                   | DIM<br>DIAxWxS (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-----------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
| SLOTTED FLAP WHEELS                                                               |                     |      |        |             |                            |         |
|  | 30x15x6             | 40   | 10     | 66261135702 | 9500 - 15900               | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261135714 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261135730 |                            | £000.00 |
|                                                                                   |                     | 240  | 10     | 66261135732 |                            | £000.00 |
|                                                                                   |                     | 320  | 10     | 66261135745 |                            | £000.00 |
|                                                                                   | 40x20x6             | 40   | 10     | 66261135775 | 7100 - 12000               | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261135779 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261135782 |                            | £000.00 |
|                                                                                   |                     | 240  | 10     | 66261135784 |                            | £000.00 |
|                                                                                   |                     | 320  | 10     | 66261135785 |                            | £000.00 |
|                                                                                   | 60x30x6             | 40   | 10     | 66261135790 | 4800 - 7900                | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261135792 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261135794 |                            | £000.00 |
|                                                                                   |                     | 240  | 10     | 66261135795 |                            | £000.00 |
|                                                                                   |                     | 320  | 10     | 66261135796 |                            | £000.00 |
|                                                                                   | 80x50x6             | 40   | 10     | 66261135797 | 3600 - 6000                | £000.00 |
|                                                                                   |                     | 80   | 10     | 66261135799 |                            | £000.00 |
|                                                                                   |                     | 120  | 10     | 66261135801 |                            | £000.00 |
|                                                                                   |                     | 240  | 10     | 66261135803 |                            | £000.00 |
|                                                                                   |                     | 320  | 10     | 66261135804 |                            | £000.00 |



† +25% performance upgrade

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

## MADE-TO-ORDER PRODUCT AVAILABILITY

| PRODUCT / GRIT      | 36 | 40 | 60 | 80 | 120 | 150 | 180 | 240 | 320 |
|---------------------|----|----|----|----|-----|-----|-----|-----|-----|
| NORTON QUANTUM R928 |    | •  | •  | •  | •   |     |     |     |     |
| X-TREME R822        | •  | •  | •  | •  | •   | •   |     |     |     |
| X-TREME S R427      | •  | •  | •  | •  | •   | •   | •   | •   |     |
| BDX R207            |    | •  | •  | •  | •   | •   | •   | •   | •   |

## MINIMUM ORDER QUANTITY

| DIAMETER (mm) | MINIMUM ORDER QUANTITY |
|---------------|------------------------|
| 20            | 250 pieces             |
| 25            | 250 pieces             |
| 30            | 250 pieces             |
| 40            | 250 pieces             |
| 50            | 250 pieces             |
| 60            | 250 pieces             |
| 80            | 250 pieces             |



## BEARTEX SPINDLE MOUNTED FLAP WHEELS

Non-woven surface finishing flap wheels are an ideal choice for a variety of blending and finishing applications common in the metal fabrication, welding and polishing industries. Flap wheels conform to intricate shapes and contours. Designed to deliver a consistent finish with a uniform rate of cut, they wear away continually, exposing fresh abrasives.

There are two types of non-woven flap wheels: those made with only non-woven flaps, where finishing is the primary application, and interleaved wheels, made with coated abrasive and non-woven flaps. The interleaved wheels are less conformable but more rigid for higher stock removal and must always be run in the direction indicated by the arrow on the product label.

## FLAP WHEEL TYPES

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

### BEARTEX NON-WOVEN FLAP WHEELS

- Non-woven only abrasive flaps.
- Ideal for finishing large and awkward components.
- Can be used for metals, wood, composite and plastics.
- Less aggressive than conventional coated abrasive flap wheels.



### BEARTEX INTERLEAVED FLAP WHEELS

- Beartex non-woven abrasive interleaved with coated abrasive
- Soft yet aggressive, creating a "firmer" wheel that provides a higher rate of cut.
- The ratio of coated abrasive to non woven flaps can be altered to suit particular applications.
- Ideal for deburring and grain finishing on stainless steel.



## APPLICATION GUIDE

| COATED GRIT                       | COARSE (GRINDING) ← → FINE (FINISHING) |    |        |     |      |           |     |
|-----------------------------------|----------------------------------------|----|--------|-----|------|-----------|-----|
|                                   | 40                                     | 60 | 80     | 120 | 180  | 240       | 320 |
| NON-WOVEN GRADE                   | COARSE                                 |    | MEDIUM |     | FINE | VERY FINE |     |
| Preparing metal for painting      |                                        | ●  | ●      |     |      |           |     |
| Blending out medium machine marks |                                        | ●  | ●      |     |      |           |     |
| Blending metal surfaces           |                                        |    | ●      | ●   |      |           |     |
| Applying light scratch pattern    |                                        |    | ●      | ●   | ●    |           |     |
| Fine blending and cleaning        |                                        |    |        | ●   | ●    | ●         |     |
| Metal finishing and polishing     |                                        |    |        |     |      | ●         | ●   |

← COATED / INTERLEAF FLAP WHEELS NON-WOVEN FLAP WHEEL →

## BEARTEX FLAP WHEELS **HEAVY DUTY** ++++

- Durable, heavy duty wheel for blending & finishing with up to 2x longer life
- Enhanced Clean Bond™ resin coverage for consistent uniform surface finish, with no smearing
- Premium aluminum oxide grain for improved cut rate



FERR. & NON FERR. 

|                                                                                     | DIM<br>DIAxWxS (mm) | GRADE    | CAP<br>CODE | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|---------------------|----------|-------------|--------|-------------|---------|
|  | 60x30x6             | Medium A | F2316       | 10     | 66261117932 | £000.00 |
|                                                                                     | 80x40x6             | Medium A | F2316       | 10     | 66261117934 | £000.00 |
|                                                                                     | 100x50x6            | Medium A | F2316       | 10     | 66261117936 | £000.00 |

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

## BEARTEX FLAP WHEELS +++

- Provides a gentle cushioning action for use on contoured & shaped surfaces
- Consistent & uniform finish with no risk of gouging
- Vibration free for a consistent finish without smearing or component discolouration



FERR. & NON FERR. 

|                                                                                     | DIM<br>DIAxWxS (mm) | GRADE       | INTERLEAVED<br>GRIT | CAP<br>CODE | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|---------------------|-------------|---------------------|-------------|--------|-------------|---------|
|  | 30x20x6             | Medium A    | -                   | F2300       | 10     | 66261032155 | £000.00 |
|                                                                                     |                     | Fine A      | -                   | F2401       | 10     | 66261032160 | £000.00 |
|                                                                                     | 40x20x6             | Medium A    | -                   | F2300       | 10     | 66261032156 | £000.00 |
|                                                                                     |                     | Fine A      | -                   | F2401       | 10     | 66261032161 | £000.00 |
|                                                                                     |                     | Very Fine A | -                   | F2501       | 10     | 66261032165 | £000.00 |

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

## BEARTEX SPINDLE MOUNTED FLAP WHEELS

| DIM<br>DIAxWxS (mm) | GRADE              | INTERLEAVED<br>GRIT | CAP<br>CODE | PK QTY | ART NO.     | PRICE   |
|---------------------|--------------------|---------------------|-------------|--------|-------------|---------|
| 60x30x6             | Fine A Interleaved | 60                  | F2401       | 10     | 63642549639 | £000.00 |
|                     | Fine A Interleaved | 100                 | F2401       | 10     | 63642549640 | £000.00 |
|                     | Fine A Interleaved | 150                 | F2401       | 10     | 63642549641 | £000.00 |
|                     | Coarse             | -                   | F2202       | 10     | 66261032167 | £000.00 |
|                     | Medium A           | -                   | F2300       | 10     | 66261032157 | £000.00 |
|                     | Medium S           | -                   | F4300       | 10     | 66261053048 | £000.00 |
|                     | Fine A             | -                   | F2401       | 10     | 63642549650 | £000.00 |
|                     | Fine S             | -                   | F4401       | 10     | 63642515902 | £000.00 |
|                     | Very Fine A        | -                   | F2501       | 10     | 63642515905 | £000.00 |
| 80x50x6             | Fine A Interleaved | 60                  | F2401       | 10     | 7660705179  | £000.00 |
|                     | Fine A Interleaved | 100                 | F2401       | 10     | 63642515544 | £000.00 |
|                     | Fine A Interleaved | 150                 | F2401       | 10     | 63642515545 | £000.00 |
|                     | Coarse             | -                   | F2202       | 10     | 63642586113 | £000.00 |
|                     | Medium S           | -                   | F4300       | 10     | 66261053053 | £000.00 |
|                     | Fine A             | -                   | F2401       | 10     | 63642515583 | £000.00 |
|                     | Fine S             | -                   | F4401       | 10     | 63642515614 | £000.00 |
|                     | Very Fine A        | -                   | F2501       | 10     | 63642515628 | £000.00 |
| 100x50x6            | Fine A Interleaved | 60                  | F2401       | 10     | 63642515907 | £000.00 |
|                     | Fine A Interleaved | 100                 | F2401       | 10     | 63642515908 | £000.00 |
|                     | Fine A Interleaved | 150                 | F2401       | 10     | 63642515909 | £000.00 |
|                     | Fine A             | -                   | F2401       | 10     | 63642515903 | £000.00 |
|                     | Fine S             | -                   | F4401       | 10     | 63642515904 | £000.00 |
|                     | Very Fine A        | -                   | F2501       | 10     | 63642515906 | £000.00 |

Other specifications are available MT0. Please contact your local sales or customer service representative for more information.

## BEARTEX FLAP WHEELS TR+ MOUNTED



- Where a quick change facility in a continuous operation is beneficial



FERR. & NON FERR.



| DIM<br>DIAxWxS (mm) | GRADE    | CAP<br>CODE | PK QTY | ART NO.     | PRICE   |
|---------------------|----------|-------------|--------|-------------|---------|
| 60x30xTR            | Medium A | F2316       | 10     | 66261124072 | £000.00 |

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

Use with TR+ holder for quick change capability.  
Also available in interleaved and TR+ in large and small diameter wheels.

## BACK-UP PADS TR+ ATTACHMENT (TR+ - SL4)



| TYPE                                 | DENSITY | MAX RPM | PK QTY | ART NO.     | PRICE   |
|--------------------------------------|---------|---------|--------|-------------|---------|
| Plastic back-up pad with 6mm spindle | Hard    | 15000   | 1      | 63642586196 | £000.00 |

For 100mm Speedlok TR+ discs





## PNEUMATIC DIE GRINDER GRINDING TOOLS AND KITS

Our new Norton pneumatic die grinder quickly and comfortably accomplishes many portable applications without changing machines – including jobs for abrasive specialties (cartridge and spiral rolls..., small diameter flap wheels, mounted points, and carbide burrs. Equip your new die grinder with the complete line of Norton die-grinding abrasive products and it will run longer, at peak efficiency.

### **NEW** PNEUMATIC DIE GRINDER **+++**

WITH 6MM COLLET, MAX RPM 25000 (0.9 HP)

- Extremely versatile and productivity-enhancing; includes a 6mm collet to accommodate numerous abrasive products: specialties (including cartridge and spiral rolls, spirabands, cones), mounted flap wheels, mounted points, and carbide burrs
- Excellent value proposition: this is solid tool sold at a GOOD-tier price
- Achieve better tool handling, along with reduced fatigue, from the ergonomic and streamlined non-slip grip
- Their small size also enhances control and finishes while their light weight provides additional control, less vibration for operator comfort, and the ability to get into small parts
- Double-bearing spindle generates superb concentricity, reducing vibrations and allowing longer use, while producing finer finishes



| COLLET<br>DIAMETER (mm) | HORSEPOWER | TOOL<br>WEIGHT | AIR<br>CONSUMPTION (l/min) | RECOMMENDED<br>OPERATING PRESSURE: | ART NO.     | PRICE   |
|-------------------------|------------|----------------|----------------------------|------------------------------------|-------------|---------|
| 6                       | 0.9        | 0.65 kg        | 85                         | 6.2 bar                            | 69957341008 | £000.00 |



Air tools require regular lubrication throughout the life of the tool. The air motor and bearing use compressed air to power the tool. Because moisture in compressed air will rust the air motor, it must be lubricated daily. An inline oiling device is recommended. Before using the machine add 1-2 drops of oil in the machine air inlet.



This is an UNGUARDED tool and should NEVER be used with cut-off discs. Never use any product that has a MAX RPM rating less than the RPM marked on the tool.

## NORTON PNEUMATIC DIE GRINDER PROFESSIONAL KIT GRINDING TOOLS AND KITS

Our new Norton pneumatic die grinder quickly and comfortably accomplishes many portable applications without changing machines – including jobs for abrasive specialties (cartridge and spiral rolls...), small diameter flap wheels, mounted points, and carbide burrs. Equip your new die grinder with the complete line of Norton die-grinding abrasive products and it will run longer, at peak efficiency.



## NEW PNEUMATIC DIE GRINDER +++

COMPATIBLE WITH 6MM SHAFTS TOOLS,  
MAX RPM 25000 (0.9 HP)

- A complete assortment of our premium specialties (including cartridge, spirabands, cones), mounted flap wheels, mounted points, and carbide burrs, complete with pneumatic die grinder machine

| KIT CONTENTS                                          | ITEM ART NO. | PK QTY | KIT ART NO. | PRICE   |
|-------------------------------------------------------|--------------|--------|-------------|---------|
| NORTON pneumatic Die Grinder (6mm) 25 000 RPM         | 69957341008  | 1      |             |         |
| Norton professional tool bag: Polybag 600D 38x23x28cm | 310518514    | 1      |             |         |
| BURRS SHAPE A12.7X25 CUT D 60L70 NOR BDX              | 66261146497  | 1      |             |         |
| BURRS SHAPE F12.7X25 CUT D 60L70 NOR BDX              | 66261146540  | 1      |             |         |
| 52_A21M_25x25xM4M_4Z8W48A800VS.                       | 61463688956  | 10     |             |         |
| 52_A38M_25x25xM4M_86A60PVS.                           | 66253054946  | 10     |             |         |
| FLW FWS 30x15 R928 NOR P60 6mmSK(C)                   | 66261154300  | 10     |             |         |
| FLW FWS 30x15 R207PLUS NOR P120 6mmSK(C)              | 63642551593  | 10     |             |         |
| FLW FWS 30x20 F2309 NOR A0MEMD 6mmSK(C)               | 66261032155  | 5      | 69957366029 | £000.00 |
| UNW STD 1"x1"x3/16" U4401 NOR SIFI2                   | 66261014883  | 10     |             |         |
| MANDREL THD SML WHL 25x5MM CPM-12 GEN                 | 66261077832  | 1      |             |         |
| SPE ZSB 15x30R920 NOR P60                             | 66623331569  | 10     |             |         |
| ML (ZSB) 15x30x6 Med NOR                              | 7660705182   | 1      |             |         |
| SPE ZCO 20x15x63 R822 NOR P50 OVL                     | 66261176657  | 10     |             |         |
| COSMO EXP 20/14-63 PURPLE                             | 7660740439   | 1      |             |         |
| SPE ZPE 6x38x3 R920 NOR C80                           | 66261128986  | 25     |             |         |
| ML (ZPE) 3,2x25x6 CRM5 Steel NOR                      | 63642556791  | 1      |             |         |



## FLAP WHEELS WITH INTERNAL M14 THREAD

Norton flap wheels with internal M14 thread are ideal for sanding contours and uneven surfaces, while delivering a uniform cut rate for a consistent finish when blending, deburring, and finishing in metal fabrication and welding industries. Flap wheels conform to intricate shapes and contours and are easy to operate; no adjustments, dressing or preparation is required before or during the operation.

Norton flap wheels are more forgiving than other abrasives, reducing the risk of flattening, gouging or surface deformation, meaning fewer rejected parts, and better long term productivity.

### **NEW** NORTON QUANTUM HIGH PERFORMANCE



- Excellent results on stainless steel, inconels, chromium cobalt, titanium and extremely hard materials
- Aggressive cut removes defects quickly and effectively
- Additional supersize layer minimises heat build-up on the workpiece for a cooler cut and longer life
- CERAMIC ALUMINIUM OXIDE grain provides the longest life even in tough applications



METAL  
INOX



|                                                                                     | DIM<br>DIAxWxTH (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-------------------------------------------------------------------------------------|----------------------|------|--------|-------------|----------------------------|---------|
|  | 115x20 M14           | 40   | 5      | 69957307345 | 6700 - 8300                | £000.00 |
|                                                                                     |                      | 60   | 5      | 69957307350 |                            | £000.00 |
|                                                                                     |                      | 80   | 5      | 69957307353 |                            | £000.00 |
|                                                                                     |                      | 120  | 5      | 69957307354 |                            | £000.00 |
|                                                                                     | 125x20 M14           | 40   | 5      | 69957307355 | 6700 - 8300                | £000.00 |
|                                                                                     |                      | 60   | 5      | 69957307356 |                            | £000.00 |
|                                                                                     |                      | 80   | 5      | 69957307359 |                            | £000.00 |
|                                                                                     |                      | 120  | 5      | 69957307360 |                            | £000.00 |

## FLAP WHEELS WITH INTERNAL M14 THREAD

### NEW BDX R207Plus

- A universal wheel for use on steel and stainless steel, can also be used for paint removal and on plastic or wood
- The new generation of premium aluminium oxide grain provides an aggressive cut yet long product life
- Excellent cut rate in low-pressure finishing operations, leaves a very good finish
- Quick and easy to mount on an angle grinder



FERR.  
& NON FERR.



|                                                                                   | DIM<br>DIAxWxTH (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-----------------------------------------------------------------------------------|----------------------|------|--------|-------------|----------------------------|---------|
|  | 115x20 M14           | 40   | 5      | 66261121351 | 6700 - 8300                | £000.00 |
|                                                                                   |                      | 60   | 5      | 66261121353 |                            | £000.00 |
|                                                                                   |                      | 80   | 5      | 66261121411 |                            | £000.00 |
|                                                                                   |                      | 120  | 5      | 66261121415 |                            | £000.00 |
|                                                                                   | 125x20 M14           | 40   | 5      | 66261121426 | 6700 - 8300                | £000.00 |
|                                                                                   |                      | 60   | 5      | 66261121427 |                            | £000.00 |
|                                                                                   |                      | 80   | 5      | 66261121428 |                            | £000.00 |
|                                                                                   |                      | 120  | 5      | 66261121429 |                            | £000.00 |
|                                                                                   |                      | 180  | 5      | 66261121432 |                            | £000.00 |
|                                                                                   |                      | 320  | 5      | 66261121435 |                            | £000.00 |



+25%  
PERFORMANCE  
UPGRADE

+25% performance upgrade

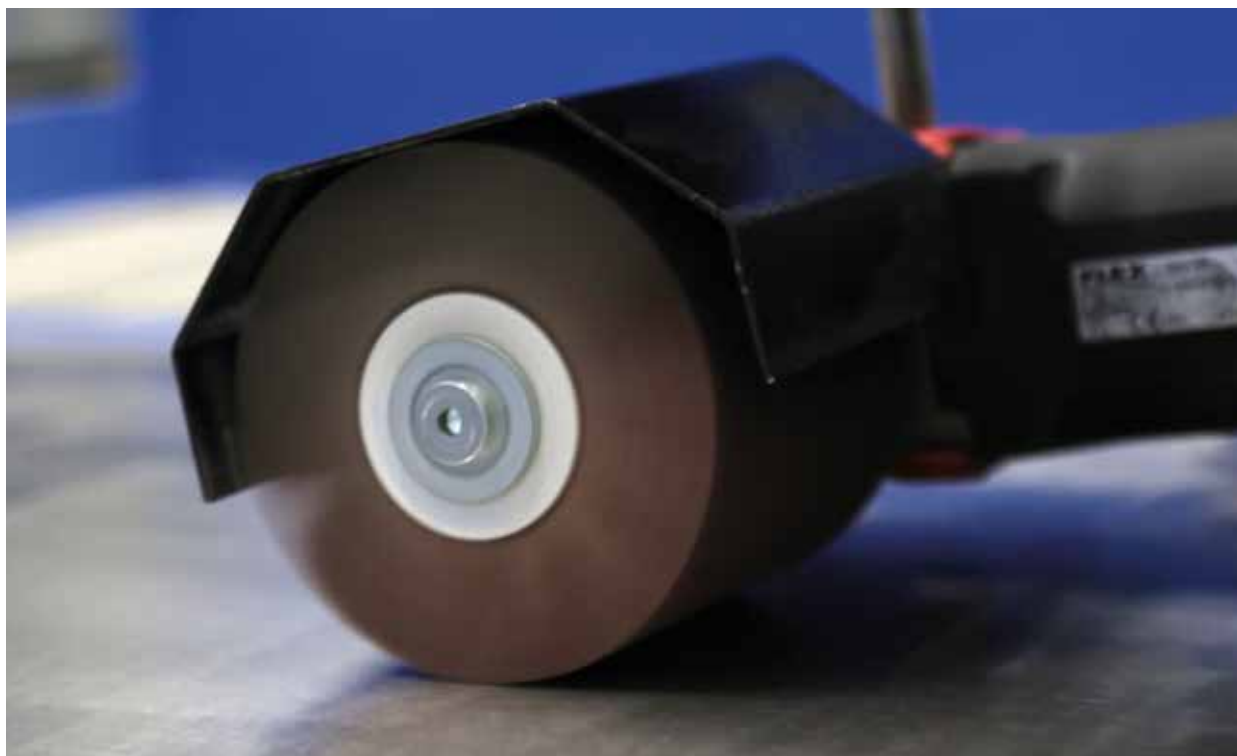
+25% performance upgrade

Dimensions Key: DIM = Dimensions, DIA = Diameter, W = Width, TH = Thread



To prevent unnecessary tool wear, use a coarser grit size instead of increasing contact pressure. For a finer surface finish, increase the cutting speed. Using the same grit size, the finish will be rougher on softer materials.





## FLAP WHEELS FOR SATINEX MACHINES

These versatile wheels are used on portable machines and are compatible with the most commonly used systems. Satinex wheels consist of a core of radially bonded strips of abrasive flaps, ideal for fine grinding work on large areas and uneven surfaces, delivering a consistent finish with a uniform rate of cut in blending, deburring and finishing applications in metal fabrication, welding and polishing industries. They can also be used for decorative finishing, thanks to the product structure of abrasive flaps anchored by a resin core at the centre, which provides excellent flexibility and very smooth surface finish.

Flange mounted flap wheels perform best at a recommended speed of 15-30m/s. At this speed, abrasive flaps stand up straight due to the centrifugal force, with only the edges in contact with the workpiece, optimizing stock removal and surface finish whilst avoiding thermal load of the workpiece and tool wear.

## X-TREME R822

- Self-shapening Zirconia alumina grain for use on stainless steel and resistant alloys
- Aggressive cutting action means a faster finish per part, maximising throughput
- Ideal for grinding, shaping, blending, edge breaking & weld removal
- Achieves a good linear finish thanks to load resistance for a regular cut rate



METAL  
INOX



|                                                                                     | DIM<br>DIAxWxS (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-------------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
|  | 100x50x19,1         | 40   | 1      | 66261139933 | 2900 - 5800                | £000.00 |
|                                                                                     |                     | 60   | 1      | 66261138387 |                            | £000.00 |
|                                                                                     |                     | 80   | 1      | 66261138388 |                            | £000.00 |
|                                                                                     | 100x100x19,1        | 40   | 1      | 66261139934 | 2900 - 5800                | £000.00 |
|                                                                                     |                     | 60   | 1      | 66261138390 |                            | £000.00 |
|                                                                                     |                     | 80   | 1      | 66261138391 |                            | £000.00 |

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



## FLAP WHEELS FOR SATINEX MACHINES

### NEW BDX R207Plus

- An excellent choice where superior finish is required, or for low-pressure applications
- A universal wheel for use on steel and stainless steel, can also be used for paint removal and on plastic or wood
- The new generation of premium aluminium oxide grain provides an aggressive cut yet long product life
- Conforms easily to the workpiece

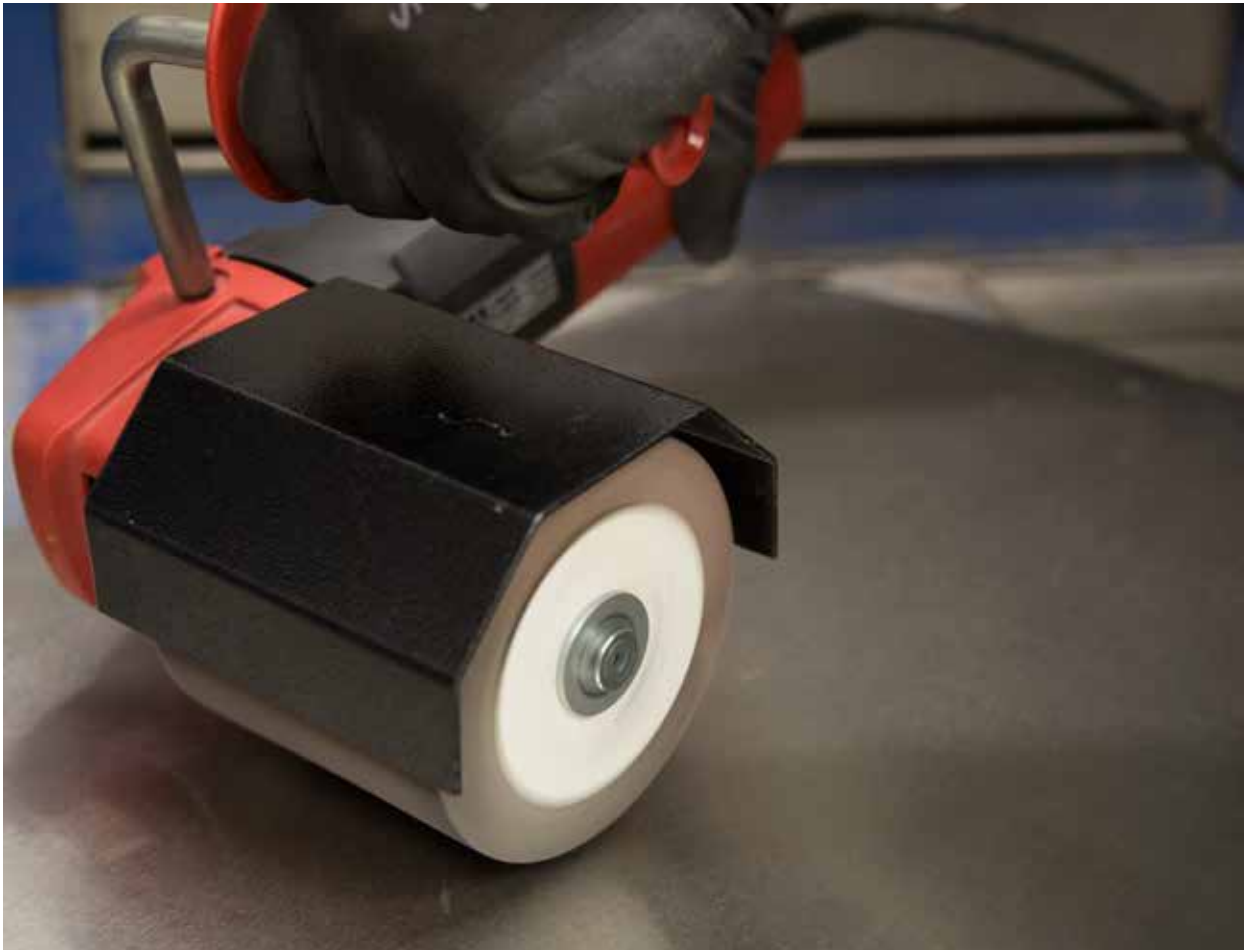


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& NON FERR.



|                                                                                   | DIM<br>DIAxWxS (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-----------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
|  | 100x50x19,1         | 40   | 5      | 66261139842 | 2900 - 5800                | £000.00 |
|                                                                                   |                     | 60   | 5      | 66261138372 |                            | £000.00 |
|                                                                                   |                     | 80   | 5      | 66261138373 |                            | £000.00 |
|                                                                                   | 100x100x19,1        | 40   | 5      | 66261139847 | 2900 - 5800                | £000.00 |
|                                                                                   |                     | 60   | 5      | 66261138377 |                            | £000.00 |
|                                                                                   |                     | 80   | 5      | 66261138378 |                            | £000.00 |

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





## BEARTEX WHEELS FOR SATINEX MACHINES

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

### BEARTEX

- For use on portable, variable speed machines
- Wide range of different grades
- For applications from rust removal to a satin finish
- Flap wheel construction ensures a perfect linear finish for repair & touch-up jobs



### APPLICATION GUIDE

| INDUSTRY                    | APPLICATION                                        | PRODUCTS                                                        |
|-----------------------------|----------------------------------------------------|-----------------------------------------------------------------|
| Stainless steel fabricators | Grain finishing on sheets, removing imperfections  | Satinex non-woven Medium A                                      |
| 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                                            |

## BEARTEX WHEELS FOR SATINEX MACHINES

### SATINEX NON WOVEN



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& INOX

| APPLICATION                   | DIM<br>DxTxB (mm) | CAP CODE | GRADE               | MAX RPM | PK QTY | ART NO.     | PRICE   |
|-------------------------------|-------------------|----------|---------------------|---------|--------|-------------|---------|
| Blending /<br>satin finishing | 110x100x19        | F2200    | Coarse A            | 5700    | 1      | 63642557218 | £000.00 |
|                               |                   | F2316    | Medium A Heavy Duty | 5700    | 1      | 66261124068 | £000.00 |
|                               |                   | F2300    | Medium A            | 5700    | 1      | 63642557404 | £000.00 |
|                               |                   | F2400    | Fine A              | 5700    | 1      | 63642557405 | £000.00 |
|                               |                   | F2504    | Very Fine A         | 5700    | 1      | 63642557406 | £000.00 |
|                               |                   | F4306    | Medium S            | 5700    | 1      | 63642556878 | £000.00 |

### SATINEX INTERLEAVED

| APPLICATION                 | DIM<br>DxTxB (mm) | CAP CODE | GRADE           | MAX RPM | PK QTY | ART NO.     | PRICE   |
|-----------------------------|-------------------|----------|-----------------|---------|--------|-------------|---------|
| Blending /<br>fine graining | 110x100x19        | F2200    | Coarse A + P80  | 5700    | 1      | 63642557407 | £000.00 |
|                             |                   | F2309    | Medium A + P80  | 5700    | 1      | 07660707431 | £000.00 |
|                             |                   | F2300    | Medium A + P150 | 5700    | 1      | 63642557408 | £000.00 |
|                             |                   | F4402    | Fine S + P150   | 5700    | 1      | 63642556741 | £000.00 |

### SATINEX POLYURETHANE

| APPLICATION                   | DIM<br>DxTxB (mm) | CAP CODE | GRADE  | MAX RPM | PK QTY | ART NO.     | PRICE   |
|-------------------------------|-------------------|----------|--------|---------|--------|-------------|---------|
| Blending /<br>satin finishing | 110x100x19        | P2W01    | Coarse | 5700    | 1      | 63642557410 | £000.00 |

### SATINEX RAPID STRIP

| APPLICATION                     | DIM<br>DxTxB (mm) | CAP CODE | GRADE              | MAX RPM | PK QTY | ART NO.     | PRICE   |
|---------------------------------|-------------------|----------|--------------------|---------|--------|-------------|---------|
| Cleaning /<br>corrosion removal | 110x100x19        | R4101    | Extra Coarse (SiC) | 5700    | 1      | 63642557184 | £000.00 |

### SATINEX NON WOVEN

| APPLICATION                        | DIM<br>DxTxB (mm) | CAP CODE | GRADE                  | MAX RPM | PK QTY | ART NO.     | PRICE   |
|------------------------------------|-------------------|----------|------------------------|---------|--------|-------------|---------|
| Cleaning /<br>blending / finishing | 110x50x19         | F2200    | Coarse A               | 5700    | 2      | 69957336455 | £000.00 |
|                                    |                   | F2316    | Medium A<br>Heavy Duty | 5700    | 2      | 66261124067 | £000.00 |

### SATINEX INTERLEAVED

| APPLICATION                 | DIM<br>DxTxB (mm) | CAP CODE | GRADE          | MAX RPM | PK QTY | ART NO.     | PRICE   |
|-----------------------------|-------------------|----------|----------------|---------|--------|-------------|---------|
| Blending /<br>fine graining | 110x50x19         | F2200    | Coarse A + P60 | 5700    | 2      | 66261180082 | £000.00 |

Dimensions Key: DIM = Dimensions, D = Diameter, T = Thickness, B = Bore  
Other configurations and sizes are available



## FLANGE MOUNTED FLAP WHEELS

Flange mounted flap wheels have a continual rate of wear as they constantly expose new abrasive grains when in use. Ideal for sanding contours and uneven surfaces as they conform well to intricate shapes thanks to the flap construction. The product structure; abrasive flaps anchored by a resin core at the centre, provides great flexibility and very smooth surface finish. A consistent finish is always maintained due to the uniform cut rate, especially on aluminum and stainless steel parts where they can be used for blending, deburring, finishing applications in metal fabrication, welding and polishing.

Flange mounted flap wheels perform best at a recommended speed of 38-42m/s. At this speed, the abrasive flaps stand up straight due to the centrifugal force, where only the edges are in contact with the workpiece, optimizing stock removal and surface finish whilst avoiding thermal load of the workpiece and tool wear.

### NEW BDX R207Plus

- The ultimate choice where superior finish is required or for low-pressure applications
- For universal use on steel and stainless steel, can also be used for paint removal and on plastic or wood
- Excellent cut rate, imparting a good finish on curves and contours
- The new generation of premium aluminium oxide grain provides aggressive cut and longer life



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& NON FERR.



|                                                                                     | DIM<br>DIAxWxB (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|-------------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|---------|
|  | 100x25x25           | 40   | 2      | 63642547168 | 2900 - 5800                | £000.00 |
|                                                                                     |                     | 60   | 2      | 66261140370 |                            | £000.00 |
|                                                                                     |                     | 80   | 2      | 63642574115 |                            | £000.00 |
|                                                                                     | 100x50x25           | 40   | 1      | 66261140373 | 2900 - 5800                | £000.00 |
|                                                                                     |                     | 60   | 1      | 66261140375 |                            | £000.00 |
|                                                                                     |                     | 80   | 1      | 66261140376 |                            | £000.00 |
|                                                                                     | 150x25x25           | 40   | 2      | 66623317452 | 4800 - 5400                | £000.00 |
|                                                                                     |                     | 60   | 2      | 63642563719 |                            | £000.00 |
|                                                                                     |                     | 80   | 2      | 63642546728 |                            | £000.00 |
|                                                                                     |                     | 120  | 2      | 63642546740 |                            | £000.00 |
|                                                                                     |                     | 180  | 2      | 63642546749 |                            | £000.00 |
|                                                                                     |                     | 240  | 2      | 77696046364 |                            | £000.00 |

## FLANGE MOUNTED FLAP WHEELS

| DIM<br>DIAxWxB (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | PRICE   |
|---------------------|------|--------|-------------|----------------------------|---------|
| 150x50x25           | 40   | 1      | 66261140555 | 4800 - 5400                | £000.00 |
|                     | 60   | 1      | 63642546712 |                            | £000.00 |
|                     | 80   | 1      | 63642546729 |                            | £000.00 |
|                     | 120  | 1      | 66261140556 |                            | £000.00 |
|                     | 180  | 1      | 66261140558 |                            | £000.00 |
|                     | 240  | 1      | 63642545892 |                            | £000.00 |
| 165x25x32           | 40   | 2      | 63642547170 | 4300 - 4900                | £000.00 |
|                     | 60   | 2      | 63642546711 |                            | £000.00 |
|                     | 80   | 2      | 63642546730 |                            | £000.00 |
|                     | 120  | 2      | 63642546742 |                            | £000.00 |
|                     | 180  | 2      | 66261140560 |                            | £000.00 |
|                     | 240  | 2      | 66261140606 |                            | £000.00 |
|                     | 320  | 2      | 66261140607 |                            | £000.00 |
| 165x50x32           | 40   | 1      | 66261140608 | 4300 - 4900                | £000.00 |
|                     | 60   | 1      | 63642561961 |                            | £000.00 |
|                     | 80   | 1      | 63642546731 |                            | £000.00 |
|                     | 120  | 1      | 63642546743 |                            | £000.00 |
|                     | 180  | 1      | 63642546751 |                            | £000.00 |
|                     | 240  | 1      | 66261140610 |                            | £000.00 |
|                     | 320  | 1      | 63642545894 |                            | £000.00 |
| 200x25x35           | 60   | 1      | 63642547173 | 3600 - 4000                | £000.00 |
|                     | 80   | 1      | 63642547175 |                            | £000.00 |
|                     | 120  | 1      | 66261140611 |                            | £000.00 |
|                     | 180  | 1      | 63642512956 |                            | £000.00 |
| 200x50x35           | 60   | 1      | 66261140613 | 3600 - 4000                | £000.00 |
|                     | 80   | 1      | 63642546732 |                            | £000.00 |
|                     | 120  | 1      | 66261140614 |                            | £000.00 |
| 250x50x35           | 60   | 1      | 66261140617 | 2900 - 3200                | £000.00 |
|                     | 80   | 1      | 63642546733 |                            | £000.00 |
|                     | 120  | 1      | 63642546745 |                            | £000.00 |

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





## BEARTEX FLANGE MOUNTED FLAP WHEELS

Formed by mounting sheets of Beartex around a centre core. The tightly packed piece forms the spokes of a wheel. This construction makes flap wheels the most conformable of all Beartex wheels providing a cushioning action which is ideal for use on uneven or irregular surfaces, as well as flat areas.

## BEARTEX FLAP WHEEL TYPES

1. NON-WOVEN FLAP WHEELS (standard for stock)
2. INTERLEAVED FLAP WHEELS (made-to-order)

Both in variable sizes with widths from 10 to 2000mm.

Available in a wide range of abrasive types, grits and densities for metal and woodworking.

### INTERLEAVED FLAP WHEELS

Interleaved wheels are more aggressive than standard Beartex, due to the coated abrasive flaps found inside the wheel. This creates a "firmer" wheel that provides a higher rate of cut. The ratio of coated flaps to non-woven flaps can be altered to suit particular applications.

Ideal for deburring and grain finishing on stainless steel.

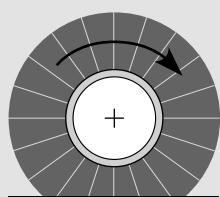
Available in both spindle and flange mounted versions.

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

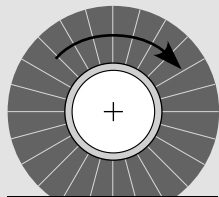
### DENSITIES

The different densities facilitate a versatility ranging from soft cushioning pads to hard cleaning and finishing tools.

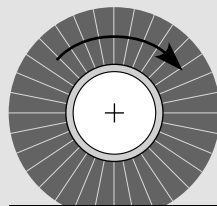
The density of a wheel can be increased (hardened) by adding more flaps, as shown below:



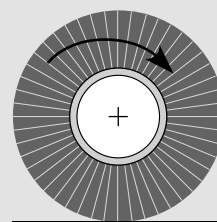
SD: Soft density



MD: Medium density



HD: Hard density



HDEX: Extra Hard density

## BEARTEX FLANGE MOUNTED FLAP WHEELS

### BEARTEX FLAP WHEEL APPLICATION GUIDE

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

## BEARTEX FLANGE MOUNTED FLAP WHEELS +++

### MEDIUM DENSITY

- The most conformable of all Beartex wheels. Ideal for use on contoured surfaces & parts with awkward geometry
- Gentle cushioning action achieves a consistent & uniform finish with no risk of gouging
- Suitable for a wide range of applications including corrosion removal, cleaning & surface finishing



FERR. & NON FERR.

|                                                                                     | DIM<br>DxWxB (mm) | GRADE            | CAP<br>CODE | PK QTY | ART NO.      | PRICE   |
|-------------------------------------------------------------------------------------|-------------------|------------------|-------------|--------|--------------|---------|
|  | 150x50x50         | Coarse A         | F2212       | 1      | 66261083026  | £000.00 |
|                                                                                     |                   | Medium A         | F2312       | 1      | 66261082061  | £000.00 |
|                                                                                     |                   | Med A Heavy Duty | F2316       | 1      | 66261083074  | £000.00 |
|                                                                                     |                   | Fine A           | F2412       | 1      | 66261083078  | £000.00 |
|                                                                                     |                   | Very Fine A      | F2519       | 1      | 66261083082* | £000.00 |
|                                                                                     |                   | Ultra Fine S     | F4612       | 1      | 66261083084* | £000.00 |
|                                                                                     | 200x50x76         | Coarse A         | F2212       | 1      | 66261083027  | £000.00 |
|                                                                                     |                   | Medium A         | F2301       | 1      | 63642588131  | £000.00 |
|                                                                                     |                   | Med A Heavy Duty | F2316       | 1      | 66261083075  | £000.00 |
|                                                                                     |                   | Fine A           | F2412       | 1      | 66261083079  | £000.00 |
|                                                                                     |                   | Very Fine A      | F2504       | 1      | 63642588137  | £000.00 |
|                                                                                     |                   | Very Fine S      | F4501       | 1      | 63642588145  | £000.00 |

\*Made-to-order. More sizes available Made-to-order.

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

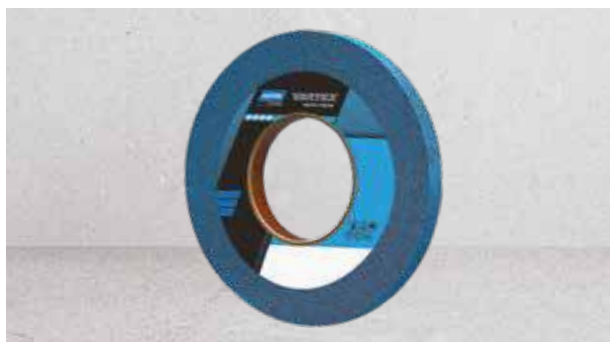
Refer to accessories section at the back of this catalogue for information on metal bushings. The catalogue includes details of all stock products but other options are available in various sizes, grades & densities using Norton's made to order facility. Please contact your local sales or customer service representative for more information.



## RAPID FINISH CONVOLUTE WHEELS FOR BENCH & PEDESTAL GRINDERS

Convolute wheels are formed by wrapping non-woven web material around a centre core and bonding the layers together to create an abrasive wheel. Wheels are available in different diameters, grades and densities for burr, flash and rust removal, reducing surface roughness, blending welds and scratch patterns on stainless steel, polishing welds and applying decorative finishes.

### MADE-TO-ORDER SOLUTIONS



#### VORTEX RAPID FINISH



- Aggressive, fast-cutting stock removal with excellent form holding
- Proprietary Vortex engineered grain and bond ensures a uniform finish throughout the entire wheel life
- Ideal for deburring, blending and finishing automotive gears and turbine engine components
- Provides a decorative finish on plumbing fixtures and can be used for metal finishing and weld blending during fabrication
- All Vortex convolute wheels are made to order



#### **NEW** RAPID FINISH<sup>GP A/O & S/C</sup>



- For general deburring, blending and finishing on metals, wood and glass
- Clean Bond™ resin technology prevents smearing and loading, even on soft metals
- Wheels have 10%-30% longer life and finish faster thanks to the new grain/bond configuration, reducing the need for wheel changes and increasing productivity
- Wheels can be used wet or dry

## CONVOLUTE WHEELS FOR BENCH & PEDESTAL GRINDERS

### RAPID FINISH DCS (OPEN MESH) +++

- Open mesh construction for blending, rust removal and applying decorative contrast finishes in low to moderate speed applications
- Silicon carbide abrasive for fine finishing with light pressure



| DxWxB(mm) | GRADE  | MCC   | PK QTY | ART NO.     | PRICE   |
|-----------|--------|-------|--------|-------------|---------|
| 150x50x25 | Fine   | C4401 | 2      | 63642549645 | £000.00 |
|           | Medium | C4301 | 2      | 66261058510 | £000.00 |

### RAPID FINISH DMA RED +++

- For light deburring, blending & final/decorative finishing
- Generates uniform satin and antique finishes
- Ideal for blending & finishing as well as surface preparation before buffing, polishing and applying decorative finishes



| DxWxB (mm) | GRADE  | MCC   | DENSITY | PK QTY | ART NO.     | PRICE   |
|------------|--------|-------|---------|--------|-------------|---------|
| 150x25x25  | Medium | C2303 | 5       | 3      | 66261007936 | £000.00 |
| 150x50x25  | Medium | C2303 | 5       | 2      | 66261007957 | £000.00 |
| 200x25x76  | Medium | C2303 | 5       | 3      | 66261007831 | £000.00 |
| 200x50x76  | Medium | C2303 | 5       | 2      | 66261007904 | £000.00 |

### RAPID FINISH LIGHT FINISHING +++

- For light deburring, blending, fine finishing and polishing applications
- Substantial extended wheel life in a soft, conformable wheel
- Ideal for finishing parts with tight tolerances, without altering geometry



| DxWxB (mm) | REF CODE | ABR TYPE | GRADE | MCC   | DENSITY | PK QTY | ART NO.      | PRICE   |
|------------|----------|----------|-------|-------|---------|--------|--------------|---------|
| 150x25x25  | D16      | SiC      | Fine  | C4411 | 6       | 3      | 66254403708  | £000.00 |
|            | D17      | SiC      | Fine  | C4411 | 7       | 3      | 66254403709* | £000.00 |
|            | D18      | SiC      | Fine  | C4411 | 8       | 3      | 66254421573  | £000.00 |
| 200x25x76  | D16      | SiC      | Fine  | C4411 | 6       | 3      | 66261095702  | £000.00 |
|            | D17      | SiC      | Fine  | C4411 | 7       | 3      | 66254409924  | £000.00 |
|            | D18      | SiC      | Fine  | C4411 | 8       | 3      | 66254421577  | £000.00 |

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

# RAPID FINISH SERIES 1000 LONG LIFE

- Ideal for general deburring, blending, finishing and polishing applications
- Starting point for deburring, blending, polishing and finishing applications
- Durable, long life construction with versatile application range, consistent cut rate and shed resistance
- Smear proof & cool cutting on light deburring applications



| DxWxB (mm) | REF CODE | ABRASIVE TYPE | GRADE  | MCC   | DENSITY | PK QTY | ART NO.     | PRICE   |
|------------|----------|---------------|--------|-------|---------|--------|-------------|---------|
| 150x10x25  | D17      | SiC           | Fine   | C4408 | 7       | 4      | 63642549767 | £000.00 |
| 150x12x25  | D17      | SiC           | Fine   | C4408 | 7       | 4      | 66261018628 | £000.00 |
|            | D17      | Alox          | Medium | C2308 | 7       | 4      | 66261018857 | £000.00 |
|            | D17      | SiC           | Medium | C4408 | 7       | 4      | 69957397880 | £000.00 |
|            | D18      | SiC           | Fine   | C4408 | 8       | 4      | 66261018773 | £000.00 |
|            | D18      | Alox          | Medium | C2308 | 8       | 4      | 66261018789 | £000.00 |
|            | D19      | SiC           | Fine   | C4408 | 9       | 4      | 66261094584 | £000.00 |
| 150x25x25  | D16      | Alox          | Fine   | C2406 | 6       | 3      | 66261055204 | £000.00 |
|            |          | Alox          | Medium | C2308 | 6       | 3      | 66261055205 | £000.00 |
|            |          | SiC           | Medium | C4308 | 6       | 3      | 66261055202 | £000.00 |
| 150x25x25  | D17      | SiC           | Fine   | C4408 | 7       | 3      | 66261055223 | £000.00 |
|            | D18      | SiC           | Fine   | C4408 | 8       | 3      | 66261018774 | £000.00 |
|            | D18      | SiC           | Medium | C4308 | 8       | 3      | 66261096033 | £000.00 |
|            | D19      | SiC           | Fine   | C4408 | 9       | 3      | 07660705227 | £000.00 |
|            | D19      | SiC           | Medium | C4308 | 9       | 3      | 66261055371 | £000.00 |
| 150x50x25  | D17      | Alox          | Fine   | C2406 | 7       | 2      | 66261008897 | £000.00 |
| 200x20x76  | D19      | SiC           | Medium | C4408 | 9       | 3      | 66261023567 | £000.00 |
| 200x25x76  | D16      | SiC           | Fine   | C4408 | 6       | 3      | 66261019693 | £000.00 |
|            |          |               | Medium | C4308 | 6       | 3      | 66261055208 | £000.00 |
|            | D17      | Alox          | Fine   | C2406 | 7       | 3      | 69957352389 | £000.00 |
|            |          | SiC           | Fine   | C4408 | 7       | 3      | 66261018639 | £000.00 |
|            |          | Alox          | Medium | C2308 | 7       | 3      | 66261055232 | £000.00 |
|            |          | SiC           | Medium | C4308 | 7       | 3      | 69957394610 | £000.00 |
|            | D18      | SiC           | Fine   | C4408 | 8       | 8      | 66261018775 | £000.00 |
| 200x25x76  | D18      | Alox          | Medium | C2308 | 8       | 3      | 66261018855 | £000.00 |
|            | D18      | SiC           | Medium | C4308 | 8       | 3      | 66261018673 | £000.00 |
|            | D19      | SiC           | Fine   | C4408 | 9       | 3      | 66261018641 | £000.00 |
|            | D19      | SiC           | Medium | C4308 | 9       | 3      | 66261018997 | £000.00 |
| 200x50x76  | D16      | SiC           | Medium | C4308 | 6       | 2      | 66261055211 | £000.00 |
|            | D16      | Alox          | Fine   | C2406 | 6       | 2      | 66261009252 | £000.00 |
|            |          | SiC           | Fine   | C4408 | 7       | 2      | 66261018877 | £000.00 |
|            |          | Alox          | Medium | C2308 | 7       | 2      | 66261055235 | £000.00 |
|            | D18      | SiC           | Fine   | C4408 | 8       | 2      | 66261019629 | £000.00 |
|            | D19      | SiC           | Fine   | C4408 | 9       | 2      | 66261055276 | £000.00 |
| 250x12x127 | D17      | SiC           | Fine   | C4408 | 7       | 4      | 69957352396 | £000.00 |
|            | D18      | SiC           | Fine   | C4408 | 8       | 4      | 66261019221 | £000.00 |
|            |          | Alox          | Medium | C2308 | 8       | 4      | 69957352395 | £000.00 |
|            |          | SiC           | Medium | C4308 | 8       | 4      | 66261019005 | £000.00 |
|            | D19      | SiC           | Fine   | C4408 | 9       | 4      | 66261019222 | £000.00 |
| 250x25x127 | D18      | Alox          | Medium | C2308 | 8       | 4      | 69957352402 | £000.00 |



## CONVOLUTE WHEELS FOR BENCH & PEDESTAL GRINDERS

### RAPID FINISH SERIES 4000 +++

- For heavy deburring, edge breaking and removing parting lines on exotic metals
- The product of choice when edge & form holding are of primary importance



| DxWxB (mm) | REF CODE | ABRASIVE TYPE | GRADE  | MCC   | DENSITY | PK QTY | ART NO.     | PRICE   |
|------------|----------|---------------|--------|-------|---------|--------|-------------|---------|
| 150x12x25  | D49      | SiC           | Fine   | C4406 | 9       | 4      | 66261004021 | £000.00 |
| 150x25x25  | D48      | SiC           | Fine   | C4406 | 8       | 3      | 66261008658 | £000.00 |
|            |          | Alox          | Medium | C2306 | 8       | 3      | 66261004208 | £000.00 |
| 200x25x76  | D48      | SiC           | Fine   | C4406 | 8       | 3      | 66261004123 | £000.00 |
|            |          | Alox          | Medium | C2306 | 8       | 3      | 66261004165 | £000.00 |

## BORE HOLE REDUCTION BUSHINGS



| WHEEL BORE (mm) | SIZE OF REDUCED BORE WITH BUSHING (mm) | FOR WHEEL DIAMETER (mm) | PK QTY | ART NO.     | PRICE   |
|-----------------|----------------------------------------|-------------------------|--------|-------------|---------|
| 25              | 10                                     | 100 to 150              | 2      | 66261080522 | £000.00 |
|                 | 13                                     | -                       | 2      | 66261080523 | £000.00 |
|                 | 16                                     | -                       | 2      | 66261080524 | £000.00 |
|                 | 20                                     | -                       | 2      | 66261080525 | £000.00 |
|                 | 22                                     | -                       | 2      | 66261080526 | £000.00 |
| 50              | 13                                     | 150 to 200              | 2      | 66261082442 | £000.00 |
| 50              | 13                                     | 150                     | 2      | 66261080527 | £000.00 |
|                 | 16                                     | -                       | 2      | 66261080528 | £000.00 |
|                 | 25                                     | -                       | 2      | 66261080529 | £000.00 |
|                 | 32                                     | -                       | 2      | 66261080530 | £000.00 |
| 76              | 25                                     | 200                     | 2      | 66261080531 | £000.00 |
|                 | 32                                     | -                       | 2      | 66261080532 | £000.00 |
|                 | 50                                     | -                       | 2      | 66261080514 | £000.00 |
| 125             | 32                                     | -                       | 2      | 66261080534 | £000.00 |

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

## UNDERSTANDING THE PRODUCT

| FAMILY NAME           | PRODUCT REFERENCE | DENSITY   | ABRASIVE TYPE | GRADE     | CAP CODE |
|-----------------------|-------------------|-----------|---------------|-----------|----------|
| VORTEX                | VTX               | 7,8,9     | Alox          | Medium    | C2312    |
| GENERAL PURPOSE       | GP                | 5,6,7,8,9 | Alox          | Medium    | C2315    |
|                       | GP                | 5,6,7,8,9 | Alox          | Fine      | C2408    |
|                       | GP                | 5,6,7,8,9 | SiC           | Medium    | C4315    |
|                       | GP                | 5,6,7,8,9 | SiC           | Fine      | C4415    |
|                       | GP                | 5,6,7,8,9 | SiC           | Very fine | C4515    |
| DCS                   | DCS               | 4         | SiC           | Very fine | C4501    |
|                       | DCS               | 4         | SiC           | Fine      | C4401    |
|                       | DCS               | 4         | SiC           | Medium    | C4301    |
| DSS                   | DSS               | 4         | SiC           | Medium    | C4302    |
| DSA                   | DSA               | 4         | Alox          | Medium    | C2302    |
| METAL FINISHING       | DMA               | 5         | Alox          | Medium    | C2303    |
| SERIES 1000 LONG LIFE | D1 6 A LL         | 6,7,8,9   | Alox          | Medium    | C2308    |
|                       | D1 7 A LL         | 6,7,8,9   | Alox          | Medium    | C2308    |
|                       | D1 8 A LL         | 6,7,8,9   | Alox          | Medium    | C2308    |
|                       | D1 9 A LL         | 6,7,8,9   | Alox          | Medium    | C2308    |
|                       | D1 6 S LL         | 6,7,8,9   | SiC           | Fine      | C4408    |
|                       | D1 7 S LL         | 6,7,8,9   | SiC           | Fine      | C4408    |
|                       | D1 8 S LL         | 6,7,8,9   | SiC           | Medium    | C4308    |
|                       | D1 9 S LL         | 6,7,8,9   | SiC           | Medium    | C4308    |
| SERIES 4000           | D4 8 A            | 8,9       | Alox          | Medium    | C2306    |
|                       | D4 8 S            | 8,9       | SiC           | Fine      | C4406    |
|                       | D4 9 S            | 8,9       | SiC           | Fine      | C4406    |



## RAPID STRIP WHEELS FOR DIE GRINDERS

With their thick, strong synthetic fibres, extra coarse silicon carbide abrasive grain and open web construction, Rapid Strip wheels strip and clean fast, don't load or shred and last up to twice as long as other stripping products.

### BLAZE RAPID STRIP WHEELS **+++++**

- The best choice for removal of surface rust & residue, corrosion, light weld splatter, dirt, mill scale & other similar surface contaminants
- Blaze lasts 2x longer than competitor products thanks to the ceramic alumina long-lasting grain
- Leaves a thoroughly cleaned surface for subsequent processes such as coating, painting and soldering
- Extremely versatile; can withstand aggressive use, but soft enough to prevent gouging and rework
- Apply pressure to strip or remove coatings; use lighter pressure to finish like a surface finishing wheel



| DxWxB (mm)                    | CAP CODE | PK QTY | MAX RPM | ART NO.      | PRICE   |
|-------------------------------|----------|--------|---------|--------------|---------|
| <b>STANDARD</b>               |          |        |         |              |         |
| 100x13x12                     | R9101    | 25     | 8000    | 66623304856  | £000.00 |
| 150x13x12                     | R9101    | 15     | 8000    | 66261099378  | £000.00 |
| 200x13x12                     | R9102    | 5      | 4500    | 66623393517* | £000.00 |
| <b>SPINDLE MOUNTED WHEELS</b> |          |        |         |              |         |
| 100x13x6                      | R9101    | 5      | 8000    | 66623378059  | £000.00 |
| 150x13x8                      | R9101    | 10     | 5500    | 66623334482  | £000.00 |

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

\* Made to order

## RAPID STRIP

- General purpose wheels for removing coatings such as varnish on wood, metal and plastics
- Nylon fibre, flexible resin and extra coarse grain combine to provide aggressive performance, long life and improved finish
- Leaves a thoroughly cleaned surface, ready for the next stage of the process; coating, painting or soldering
- Will not load on sticky coatings, adhesives, soft metals, will not snag or shed



| DxWxB (mm)                                            | CAP CODE | PK QTY | MAX RPM | ART NO.     | PRICE   |
|-------------------------------------------------------|----------|--------|---------|-------------|---------|
| <b>STANDARD</b>                                       |          |        |         |             |         |
| 100x13x12                                             | R4101    | 25     | 8000    | 63642585700 | £000.00 |
| 150x13x12                                             | R4101    | 15     | 5500    | 63642585703 | £000.00 |
| 200x13x12                                             | R4101    | 5      | 4500    | 63642585704 | £000.00 |
| <b>SPINDLE MOUNTED - STANDARD (1 WHEEL)</b>           |          |        |         |             |         |
| 75x13x6                                               | R4101    | 10     | 10000   | 63642557741 | £000.00 |
| 100x13x6                                              | R4101    | 10     | 8000    | 63642557742 | £000.00 |
| 150x13x8                                              | R4101    | 10     | 6000    | 63642557743 | £000.00 |
| <b>SPINDLE MOUNTED - LARGE AREA (2 WHEELS GANGED)</b> |          |        |         |             |         |
| 75x25x6                                               | R4101    | 5      | 10000   | 63642557744 | £000.00 |
| 100x25x6                                              | R4101    | 5      | 8000    | 63642557745 | £000.00 |
| 150x25x8                                              | R4101    | 5      | 6000    | 63642557746 | £000.00 |

## MANDRELS STANDARD WHEELS

| DISCS<br>DxWxB (mm) | SPINDLE<br>DIA (mm) | PK<br>QTY | ART NO.     | PRICE   |
|---------------------|---------------------|-----------|-------------|---------|
| <150x13x12          | 6                   | 1         | 07660707022 | £000.00 |
| <200x13x12          | 8                   | 1         | 07660707023 | £000.00 |





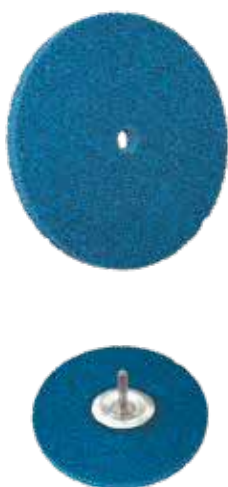
## RAPID BLEND UNITISED WHEELS FOR DIE GRINDERS

Unitised wheels are made from compressed and bonded layers of non-woven abrasive for maintenance operations where an efficient, cost effective solution is needed for deburring, polishing, cleaning and finishing composites. The uniform construction maintains part tolerance and prevents cutting and gauging. Rapid Blend can be used on a variety of shapes and contours, wheels hold their shape well and don't need to be dressed as often. Wheels are also non-metallic so won't contaminate the workpiece.

### VORTEX RAPID BLEND CLOSED



- For light weld bead and weld splatter removal, heavy deburring and finishing applications
- Proprietary engineered Vortex aluminum oxide aggregate grain provides aggressive, fast, stock removal, reduced cycle times, and increased part quality
- Reduces heat build up on the workpiece which increases cut rate and helps the disc last up to 2x longer without shredding
- Special resin chemistry makes Vortex Rapid Blend ideal for deburring, even on sharp edges, without shedding or smearing



| DxWxB (mm)                    | CAP CODE | GRADE   | PK QTY | RPM   | ART NO.     | PRICE   |
|-------------------------------|----------|---------|--------|-------|-------------|---------|
| <b>STANDARD</b>               |          |         |        |       |             |         |
| 50x6x6                        | U2305    | VOR-7AM | 60     | 22100 | 66261080270 | £000.00 |
| 75x3x6                        | U2305    | VOR-5AM | 40     | 18000 | 66261093448 | £000.00 |
|                               | U2305    | VOR-7AM | 40     | 18000 | 66261191445 | £000.00 |
| 75x6x6                        | U2305    | VOR-5AM | 40     | 18000 | 66254414832 | £000.00 |
|                               | U2305    | VOR-7AM | 40     | 18000 | 66261199696 | £000.00 |
| 75x13x6                       | U2305    | VOR-7AM | 20     | 18000 | 66261080267 | £000.00 |
| 125x6x22                      | U2305    | VOR-5AM | 20     | 9000  | 66254488602 | £000.00 |
| 150x6x25                      | U2305    | VOR-5AM | 8      | 7500  | 66254414167 | £000.00 |
|                               | U2305    | VOR-7AM | 8      | 7500  | 66254407225 | £000.00 |
| <b>SPINDLE MOUNTED WHEELS</b> |          |         |        |       |             |         |
| 150x13x8                      | U2305    | 3AM     | 10     | 8000  | 66623375067 | £000.00 |

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



## RAPID BLEND NEX +++

- Good choice for light deburring and blending
- Can be easily pre-formed for use on a wide variety of shapes/contours
- Imparts a bright finish on stainless steel with improved 2SF and 3SF light/soft density formulation
- Fine silicon carbide & flexible density unitised construction for a smooth controlled blending/finishing experience
- Excellent, consistent, smear-free finish

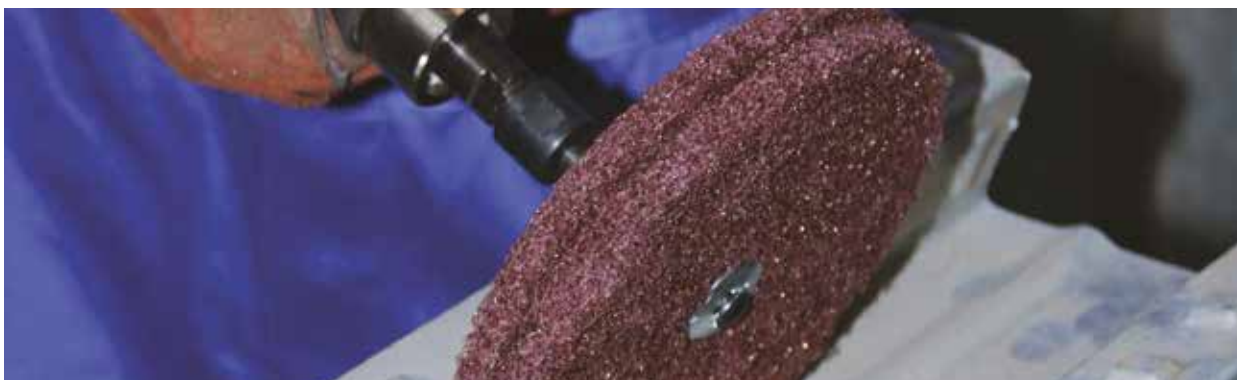
|                                                                                   | DxWxB (mm) | CAP CODE | GRADE   | PK QTY | RPM   | ART NO.      | PRICE   |
|-----------------------------------------------------------------------------------|------------|----------|---------|--------|-------|--------------|---------|
|  | 50x6x6     | U4401    | NEX-2SF | 20     | 18000 | 63642585756  | £000.00 |
|                                                                                   |            | U2401    | NEX-4AF | 20     | 22100 | 63642585755  | £000.00 |
|                                                                                   | 75x3x6     | U2301    | NEX-8AM | 20     | 18100 | 63642585831  | £000.00 |
|                                                                                   | 75x6x6     | U2301    | NEX-2AM | 10     | 12100 | 63642585763* | £000.00 |
|                                                                                   |            | U4401    | NEX-2SF | 10     | 12100 | 63642585768  | £000.00 |
|                                                                                   |            | U4401    | NEX-3SF | 10     | 12100 | 63642571113  | £000.00 |
|                                                                                   |            | U2401    | NEX-6AF | 10     | 18100 | 63642585771  | £000.00 |
|                                                                                   |            | U2301    | NEX-6AM | 10     | 18100 | 66261081929* | £000.00 |
|                                                                                   |            | U2301    | NEX-8AM | 10     | 18100 | 63642585774  | £000.00 |
|                                                                                   | 125x6x22   | U4401    | NEX-2SF | 20     | 6000  | 66254488603  | £000.00 |
|                                                                                   |            | U4401    | NEX-3SF | 20     | 6000  | 66254489419  | £000.00 |
|                                                                                   | 150x6x13   | U2301    | NEX-2AM | 10     | 4500  | 66261019412  | £000.00 |
|                                                                                   |            | U4401    | NEX-2SF | 10     | 5000  | 66261019416  | £000.00 |
|                                                                                   |            | U4401    | NEX-3SF | 8      | 5000  | 66261016691  | £000.00 |
|                                                                                   |            | U2301    | NEX-6AM | 10     | 7500  | 66261019414  | £000.00 |
|                                                                                   | 150x6x25   | U4401    | NEX-2SF | 8      | 7500  | 66261017050  | £000.00 |
|                                                                                   |            | U4401    | NEX-3SF | 8      | 7500  | 66254489421  | £000.00 |
|                                                                                   | 150x13x13  | U2301    | NEX-2AM | 5      | 4500  | 63642585818  | £000.00 |
|                                                                                   |            | U4401    | NEX-2SF | 5      | 5000  | 63642585812  | £000.00 |
|                                                                                   |            | U4401    | NEX-3SF | 4      | 5000  | 66261015826  | £000.00 |
|                                                                                   |            | U2401    | NEX-4AF | 5      | 7500  | 63642585815  | £000.00 |
|                                                                                   |            | U2301    | NEX-8AM | 5      | 7500  | 63642585824  | £000.00 |
|                                                                                   | 150x25x13  | U2301    | NEX-2AM | 5      | 4500  | 69957350267  | £000.00 |
|                                                                                   |            | U4401    | NEX-2SF | 5      | 5000  | 69957350272  | £000.00 |
|                                                                                   |            | U2401    | NEX-4AF | 5      | 7500  | 69957350269  | £000.00 |
|                                                                                   | 150x25x25  | U2301    | NEX-2AM | 5      | 4500  | 63642585789* | £000.00 |
|                                                                                   |            | U4401    | NEX-2SF | 5      | 5000  | 63642585795  | £000.00 |
|                                                                                   |            | U2401    | NEX-4AF | 5      | 7500  | 63642585792  | £000.00 |
|                                                                                   | 200x25x25  | U2301    | NEX-2AM | 5      | 3500  | 63642585796  | £000.00 |
|                                                                                   |            | U4401    | NEX-2SF | 5      | 4000  | 63642585797  | £000.00 |

\* Made to order

## SMALL UNITISED WHEELS / BOBS +++



| DxWxB (mm)                | CAP CODE | GRADE   | PK QTY | ART NO.     | PRICE   |
|---------------------------|----------|---------|--------|-------------|---------|
| 25x25x5                   | U4401    | NEX 2SF | 50     | 66261014883 | £000.00 |
| 25x25x5                   | U2301    | NEX 6AM | 50     | 66261014908 | £000.00 |
| Use with threaded mandrel | -        | -       | 1      | 66261077832 | £000.00 |



## HIGH STRENGTH DISCS FOR DIE GRINDERS

Made of a strong nylon web impregnated with abrasive grain and resin, Beartex high strength discs are designed for demanding applications on a wide range of materials. A general purpose product which produces a light satin finish.

Applications include rust/oxide or coating removal, pipe ID and OD polishing, casting cleaning, highlighting (antiquing), contaminant removal, removal of handling marks, gasket removal, cleaning and blending of surface imperfections, prepping prior to soldering, removal of filling materials, cleaning angles and odd shapes. Will not stretch or shed. Ganging increases versatility.

### BEARTEX HIGH STRENGTH DISCS

- The new, improved specification means discs last longer and have better resistance to tearing when used on burrs and sharp edges
- Can be combined with multiple wheels to form a very flexible, durable wheel for use on bench or straight grinders
- Strong, smear-proof resin binders help produce light satin finishes
- Different sizes are available for mounting on bench grinders or portable die grinders using a mandrel



| DxB (mm) | CAP CODE | GRADE     | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|--------|-------------|---------|
| 100x8    | F2303    | Medium    | 10     | 66254429562 | £000.00 |
| 150x12   | F2303    | Medium    | 10     | 77696087534 | £000.00 |
|          | F2506    | Very fine | 10     | 77696087535 | £000.00 |
| 200x12   | F2303    | Medium    | 10     | 77696087536 | £000.00 |
|          | F2506    | Very fine | 10     | 77696087537 | £000.00 |

### BEARTEX LAP MOPS

- Ideal for hard to reach areas and intricate shaped components
- Use with a mandrel



| D (mm) | CAP CODE            | GRADE     | PK QTY | MAX RPM | ART NO.      | PRICE   |
|--------|---------------------|-----------|--------|---------|--------------|---------|
| 150    | F2520               | Very fine | 5      | 4000    | 07660707529* | £000.00 |
| 150    | F2303 High strength | Medium    | 5      | 4000    | 63642573074  | £000.00 |
| 150    | F2316 Heavy duty    | Medium    | 5      | 4000    | 63642573587  | £000.00 |

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



## HIGH-STRENGTH CROSS BUFFS

- Ideal for use on internal pipes and tubes
- For quick deburring and cleaning

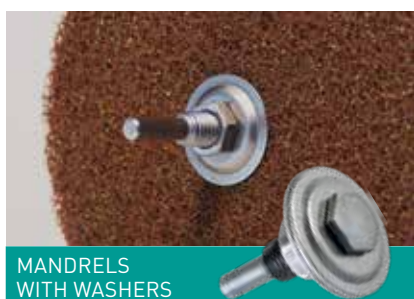
| DxT (mm)         | GRADE     | PK QTY | MAX RPM     | ART NO.      | PRICE   |
|------------------|-----------|--------|-------------|--------------|---------|
| 38x13            | Medium    | 100    | 18000-23000 | 08834189308* | £000.00 |
| 38x13            | Very fine | 100    | 18000-23000 | 08834189307* | £000.00 |
| Mandrel MM32-4** | -         | 1      | 18000-23000 | 63642587136* | £000.00 |

\*\* Use Mandrel MM32-4 to mount 38mm Cross Buffs



## MANDRELS FOR DIE GRINDERS

|                                                            | LxSxW<br>(mm) | FOR USE<br>WITH WHEEL<br>DIA (mm) | MAX USABLE<br>WHEEL WIDTH<br>(mm) | BORE HOLE<br>DIA (mm) | PK<br>QTY | ART NO.     | PRICE   |
|------------------------------------------------------------|---------------|-----------------------------------|-----------------------------------|-----------------------|-----------|-------------|---------|
| <b>MANDRELS WITH WASHERS</b>                               |               |                                   |                                   |                       |           |             |         |
| RapidStrip/Plain discs                                     | 55x6x40       | Up to 150                         | 13                                | 10 to 12              | 1         | 07660707022 | £000.00 |
| RapidStrip/Plain discs/large dia<br>Unitised wheels >150mm | 55x8x38       | Up to 200                         | 13                                | 10 to 13              | 1         | 07660707023 | £000.00 |
| <b>MANDRELS</b>                                            |               |                                   |                                   |                       |           |             |         |
| Unitised wheels                                            | 60x6          | Up to 75                          | 6                                 | 6 & 10                | 1         | 63642586234 | £000.00 |
| Unitised wheels                                            | 75x6          | Up to 75                          | 6 to 12                           | 6 & 10                | 1         | 63642586236 | £000.00 |
| Unitised wheels                                            | 85x6          | Up to 150                         | 12 to 25                          | 6                     | 1         | 63642586239 | £000.00 |
| <b>THREADED MANDREL</b>                                    |               |                                   |                                   |                       |           |             |         |
| Unitised wheels/bobs                                       | 25x6          | 25                                | 25                                | 5                     | 1         | 66261077832 | £000.00 |



MANDRELS  
WITH WASHERS



MANDRELS



THREADED  
MANDREL

Dimensions Key: L = Length, W = Width, B = Bore, S = Spindle





**NORTON**

SAINT-GOBAIN®

COATED  
ABRASIVES

# ROLLS

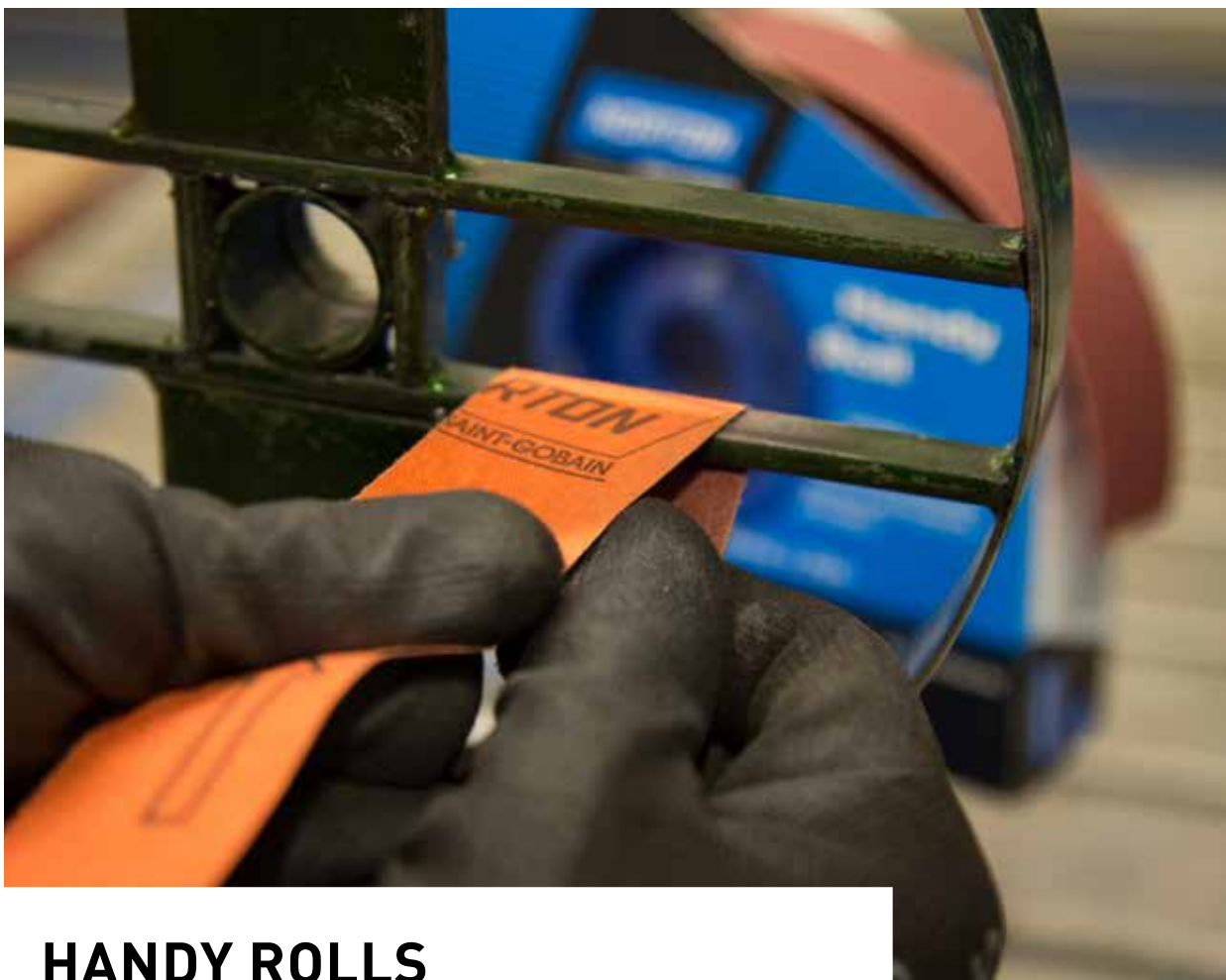
Handy rolls  
Paper & cloth rolls  
Norton meshpower

144  
148  
153

Beartex rolls  
Rotolo Foam rolls

154  
156





## HANDY ROLLS

Engineered for flexibility and fast cutting, cloth handy rolls tear cleanly and straight without shedding and are packed in a protective dispenser to eliminate waste and damage.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ◐  
Suitable ○



| MATERIALS / APPLICATIONS                                                          | R222  | F2316 | K20N |
|-----------------------------------------------------------------------------------|-------|-------|------|
|                                                                                   | +++++ | ++++  | +++  |
| General purpose (metal, wood, etc.)                                               | ●     | ◐     | ○    |
| Scouring and light deburring,                                                     | ●     | ●     | ◐    |
| Scale and rust removal,                                                           | ◐     | ◐     | ●    |
| Blending and fine sanding,                                                        | ◐     | ●     | ◐    |
| Polishing lathe turnings, rolls and cylinders,<br>and blending machine tool marks | ◐     | ●     | ○    |



R222 handy rolls are designed for manual applications. The high 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.

# R222 **+++++**

- Versatile aluminium oxide abrasive for hand sanding of wood & metal
- Flexible cotton backing ideal for sanding profiled surfaces & round steel parts
- For general purpose maintenance applications offers extra durability and even wear
- Dispenser unit for easy storage and product protection



|                                                                                   | DIM<br>WxL (mm/m) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-------------------|------|--------|-------------|---------|
|  | 25mmx25m          | 40   | 1      | 63642531849 | £000.00 |
|                                                                                   |                   | 50   | 1      | 63642531850 | £000.00 |
|                                                                                   |                   | 60   | 1      | 63642531823 | £000.00 |
|                                                                                   |                   | 80   | 1      | 63642531820 | £000.00 |
|                                                                                   |                   | 100  | 1      | 63642531815 | £000.00 |
|                                                                                   |                   | 120  | 1      | 63642531811 | £000.00 |
|                                                                                   |                   | 150  | 1      | 63642531808 | £000.00 |
|                                                                                   |                   | 180  | 1      | 63642531805 | £000.00 |
|                                                                                   |                   | 220  | 1      | 63642531802 | £000.00 |
|                                                                                   |                   | 240  | 1      | 63642531799 | £000.00 |
|                                                                                   |                   | 320  | 1      | 63642531796 | £000.00 |
|                                                                                   |                   | 400  | 1      | 63642531793 | £000.00 |
|                                                                                   |                   | 600  | 1      | 63642560206 | £000.00 |
|                                                                                   |                   |      |        |             |         |
|                                                                                   | 38mmx25m          | 40   | 1      | 63642531828 | £000.00 |
|                                                                                   |                   | 50   | 1      | 63642531826 | £000.00 |
|                                                                                   |                   | 60   | 1      | 63642531824 | £000.00 |
|                                                                                   |                   | 80   | 1      | 63642531821 | £000.00 |
|                                                                                   |                   | 100  | 1      | 63642531817 | £000.00 |
|                                                                                   |                   | 120  | 1      | 63642531812 | £000.00 |
|                                                                                   |                   | 150  | 1      | 63642531809 | £000.00 |
|                                                                                   |                   | 180  | 1      | 63642531806 | £000.00 |
|                                                                                   |                   | 220  | 1      | 63642531803 | £000.00 |
|                                                                                   |                   | 240  | 1      | 63642531800 | £000.00 |
|                                                                                   |                   | 280  | 1      | 63642536425 | £000.00 |
|                                                                                   |                   | 320  | 1      | 63642531797 | £000.00 |
|                                                                                   |                   | 400  | 1      | 63642531794 | £000.00 |
|                                                                                   |                   | 600  | 1      | 63642539150 | £000.00 |
|                                                                                   | 50mmx25m          | 40   | 1      | 63642531829 | £000.00 |
|                                                                                   |                   | 50   | 1      | 63642531827 | £000.00 |
|                                                                                   |                   | 60   | 1      | 63642531825 | £000.00 |
|                                                                                   |                   | 80   | 1      | 63642534758 | £000.00 |
|                                                                                   |                   | 100  | 1      | 63642531818 | £000.00 |
|                                                                                   |                   | 120  | 1      | 63642531814 | £000.00 |
|                                                                                   |                   | 150  | 1      | 63642531810 | £000.00 |
|                                                                                   |                   | 180  | 1      | 63642531807 | £000.00 |
|                                                                                   |                   | 220  | 1      | 63642531804 | £000.00 |
|                                                                                   |                   | 240  | 1      | 63642531801 | £000.00 |
|                                                                                   |                   | 280  | 1      | 63642536426 | £000.00 |
|                                                                                   |                   | 320  | 1      | 63642531798 | £000.00 |
|                                                                                   |                   | 400  | 1      | 63642531795 | £000.00 |
|                                                                                   |                   | 600  | 1      | 63642534757 | £000.00 |

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



## NEW K20N +++

### THE AFFORDABLE CONSUMABLE FOR EVERYDAY USE

- Aluminium oxide grain for fast cut, good material removal and excellent price/performance ratio
- Good choice for small-volume metal and woodworking applications
- Superior conformability to flat and complex surfaces and better finishes
- Dispenser unit for easy storage and product protection



FERR.  
& NON FERR.



HARD &  
SOFT WOOD



|                                                                                     | DIM WxL    | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------------|------|--------|-------------|---------|
|  | 25mm x 25m | 40   | 1      | 69957316141 | £000.00 |
|                                                                                     |            | 50   | 1      | 69957316143 | £000.00 |
|                                                                                     |            | 60   | 1      | 69957316144 | £000.00 |
|                                                                                     |            | 80   | 1      | 69957316146 | £000.00 |
|                                                                                     |            | 100  | 1      | 69957316147 | £000.00 |
|                                                                                     |            | 120  | 1      | 69957316148 | £000.00 |
|                                                                                     |            | 150  | 1      | 69957316149 | £000.00 |
|                                                                                     |            | 180  | 1      | 69957316151 | £000.00 |
|                                                                                     |            | 220  | 1      | 69957316152 | £000.00 |
|                                                                                     |            | 240  | 1      | 69957316153 | £000.00 |
|                                                                                     | 38mm x 25m | 40   | 1      | 69957393819 | £000.00 |
|                                                                                     |            | 50   | 1      | 69957375534 | £000.00 |
|                                                                                     |            | 60   | 1      | 69957377802 | £000.00 |
|                                                                                     |            | 80   | 1      | 69957374796 | £000.00 |
|                                                                                     |            | 100  | 1      | 69957375075 | £000.00 |
|                                                                                     |            | 120  | 1      | 69957375074 | £000.00 |
|                                                                                     |            | 150  | 1      | 66261159485 | £000.00 |
|                                                                                     |            | 180  | 1      | 69957393824 | £000.00 |
|                                                                                     |            | 220  | 1      | 69957375532 | £000.00 |
|                                                                                     |            | 240  | 1      | 66261153914 | £000.00 |

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

| DIM WxL    | GRIT | PK QTY | ART NO.     | PRICE   |
|------------|------|--------|-------------|---------|
| 50mm x 25m | 40   | 1      | 69957378214 | £000.00 |
|            | 50   | 1      | 69957372295 | £000.00 |
|            | 60   | 1      | 69957373478 | £000.00 |
|            | 80   | 1      | 69957375076 | £000.00 |
|            | 100  | 1      | 69957374797 | £000.00 |
|            | 120  | 1      | 69957393823 | £000.00 |
|            | 150  | 1      | 69957377808 | £000.00 |
|            | 180  | 1      | 66261153913 | £000.00 |
|            | 220  | 1      | 69957377801 | £000.00 |
|            | 240  | 1      | 69957375077 | £000.00 |

## NEW NON-WOVEN F2316 **++++**

- Flexible 3D handpad material in roll form for for hand and machine use
- Complementary to R222 and K20N handy rolls, for finishing
- Premium aluminum oxide grain gives a performance boost, cleaning, blending deburring and finishing in record time
- Ideal to access awkward corners and recesses



| DIM WxL (mm/m) | GRADE                         | CAP CODE | PK QTY | ART NO.     | PRICE   |
|----------------|-------------------------------|----------|--------|-------------|---------|
| 38mm x 5m      | <b>F2316 Heavy Duty MED A</b> | F2316    | 1      | 66261129709 | £000.00 |



## PAPER & CLOTH ROLLS

Coated abrasive rolls are ideal for fast easy sanding, light deburring and polishing of wood, paint, metal and plaster, rust and scale. They can be torn to exact lengths as needed.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ◐  
Suitable ○

|                          |  |  |  |  |  |
|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                          | R222<br>Flexible<br>J-weight<br>cotton cloth                                        | <b>NEW</b> K20N<br>J-weight<br>cotton cloth                                         | H231<br>Strong<br>F-Weight<br>paper                                                  | A275<br>Fibre-reinforced<br>latex, B-weight<br>paper                                  | G131F<br>E-weight<br>backing                                                          |
| MATERIALS / APPLICATIONS | +++++                                                                               | +++                                                                                 | +++++                                                                                | ++++                                                                                  | +++                                                                                   |
| Metal                    | ●                                                                                   | ○                                                                                   | ◐                                                                                    |                                                                                       |                                                                                       |
| Wood                     |                                                                                     |                                                                                     | ●                                                                                    | ◐                                                                                     | ○                                                                                     |
| Primer / paint / varnish |                                                                                     |                                                                                     | ◐                                                                                    | ●                                                                                     | ○                                                                                     |



## H231 +++++

- Aluminium oxide grain for long life
- Open grain distribution and anti-static properties helps reducing clogging
- Premium product for all types of wood and also suitable for surface finishing on metal
- Minimise dust when used with an appropriate extraction system


NON  
FERR.

PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD


|                                                                                   | DIM<br>WxL (mm/m) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-------------------|------|--------|-------------|---------|
|  | 120mm x 50m       | 60   | 1      | 63642539189 | £000.00 |
|                                                                                   |                   | 80   | 1      | 63642539187 | £000.00 |
|                                                                                   |                   | 120  | 1      | 63642539183 | £000.00 |
|                                                                                   |                   | 150  | 1      | 63642539181 | £000.00 |
|                                                                                   |                   | 180  | 1      | 63642546049 | £000.00 |



Grinding non-conductive materials, such as wood, creates electrical charges in the abrasive that causes adhesion of the grinding dust to the abrasive. The anti-static properties of H231 ground the electrical charge through the coated abrasive and the machine preventing this adhesion, reducing clogging and longer product life.

## NORTON PRO A275 ++++

- Premium heat-treated aluminium oxide abrasive blend for long life and fast cut rate
- Suitable for use on primer, paint filler & coating sanding (for automotive & transport applications) and wood
- Tear resistant fibre-reinforced latex for wet or dry sanding
- No-Fil® anti-loading third layer for better finish, loading resistance & extended life


NON  
FERR.

PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD


|                                                                                     | DIM<br>WxL (mm/m) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-------------------|------|--------|-------------|---------|
|  | 100mm x 50m       | 80   | 2      | 63642591122 | £000.00 |
|                                                                                     |                   | 120  | 2      | 63642591123 | £000.00 |
|                                                                                     |                   | 150  | 2      | 69957391073 | £000.00 |
|                                                                                     |                   | 180  | 2      | 63642591124 | £000.00 |
|                                                                                     |                   | 220  | 2      | 63642590924 | £000.00 |
|                                                                                     |                   | 240  | 2      | 63642590927 | £000.00 |
|                                                                                     |                   | 320  | 2      | 63642591649 | £000.00 |
|                                                                                     | 115mm x 50m       | 80   | 2      | 69957380739 | £000.00 |
|                                                                                     |                   | 120  | 2      | 69957380761 | £000.00 |
|                                                                                     |                   | 150  | 2      | 69957380765 | £000.00 |
|                                                                                     |                   | 180  | 2      | 69957380767 | £000.00 |
|                                                                                     |                   | 220  | 2      | 69957380769 | £000.00 |
|                                                                                     |                   | 240  | 2      | 69957380777 | £000.00 |
|                                                                                     |                   | 280  | 2      | 69957380778 | £000.00 |
|                                                                                     |                   | 320  | 2      | 69957380779 | £000.00 |
|                                                                                     |                   | 400  | 2      | 69957380781 | £000.00 |
|                                                                                     |                   | 500  | 2      | 69957396696 | £000.00 |

G131F **+++**

- Aluminium oxide grain for fast cut, good material removal and excellent price/performance ratio
- Versatile product for wood and plaster sanding
- Responsibly sourced, made with FSC mix certified paper backing
- Wide make to order availability



PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD



|                                                                                   | DIM<br>WxL (mm/m) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-------------------|------|--------|-------------|---------|
|  | 93mm x 50m        | 80   | 2      | 66623372548 | £000.00 |
|                                                                                   |                   | 100  | 2      | 66623372549 | £000.00 |
|                                                                                   |                   | 120  | 2      | 66623372550 | £000.00 |
|                                                                                   | 100mm x 50m       | 40   | 2      | 66623372536 | £000.00 |
|                                                                                   |                   | 60   | 2      | 66623372537 | £000.00 |
|                                                                                   |                   | 80   | 2      | 66623372538 | £000.00 |
|                                                                                   |                   | 100  | 2      | 66623372539 | £000.00 |
|                                                                                   |                   | 120  | 2      | 66623372540 | £000.00 |
|                                                                                   |                   | 150  | 2      | 66623372555 | £000.00 |
|                                                                                   | 115mm x 50m       | 40   | 2      | 66623372551 | £000.00 |
|                                                                                   |                   | 60   | 2      | 66623372204 | £000.00 |
|                                                                                   |                   | 80   | 2      | 66623372535 | £000.00 |
|                                                                                   |                   | 100  | 2      | 66623372552 | £000.00 |
|                                                                                   |                   | 120  | 2      | 66623372545 | £000.00 |
|                                                                                   |                   | 150  | 2      | 66623372205 | £000.00 |
|                                                                                   |                   | 180  | 2      | 66623372558 | £000.00 |
|                                                                                   |                   | 220  | 2      | 66623372554 | £000.00 |
|                                                                                   | 120mm x 50m       | 40   | 2      | 66623372542 | £000.00 |
|                                                                                   |                   | 60   | 2      | 66623372543 | £000.00 |
|                                                                                   |                   | 80   | 2      | 66623372553 | £000.00 |
|                                                                                   |                   | 100  | 2      | 66623372541 | £000.00 |
|                                                                                   |                   | 120  | 2      | 66623372544 | £000.00 |
|                                                                                   |                   | 150  | 2      | 66623372556 | £000.00 |
|                                                                                   |                   | 180  | 2      | 66623372559 | £000.00 |



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



The mark of  
responsible forestry

**FSC® CERTIFICATION**

Utilizing responsibly sourced material and preserving natural resources is a high priority, look out for the FSC® logo next to products manufactured using FSC® certified paper.

# R222

- Versatile aluminium oxide abrasive for hand sanding and handheld machine sanding
- Flexible cotton backing ideal for sanding profiled surfaces & round steel parts
- For general purpose maintenance applications, offers extra durability and even wear
- Long life in wood & metal applications



NON  
FERR.



PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD



|                                                                                   | DIM<br>WxL (mm/m) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-------------------|------|--------|-------------|---------|
|  | 50mm x 50m        | 40   | 5      | 63642512909 | £000.00 |
|                                                                                   |                   | 60   | 5      | 63642540086 | £000.00 |
|                                                                                   |                   | 80   | 5      | 63642539135 | £000.00 |
|                                                                                   |                   | 100  | 5      | 63642539136 | £000.00 |
|                                                                                   |                   | 120  | 5      | 63642559727 | £000.00 |
|                                                                                   |                   | 150  | 5      | 63642539208 | £000.00 |
|                                                                                   |                   | 180  | 5      | 63642539137 | £000.00 |
|                                                                                   |                   | 220  | 5      | 63642512916 | £000.00 |
|                                                                                   |                   | 240  | 5      | 63642512917 | £000.00 |
|                                                                                   |                   | 320  | 5      | 63642512918 | £000.00 |
|                                                                                   |                   | 400  | 5      | 63642512919 | £000.00 |
|                                                                                   | 100mm x 50m       | 40   | 1      | 63642536559 | £000.00 |
|                                                                                   |                   | 60   | 1      | 63642560979 | £000.00 |
|                                                                                   |                   | 80   | 1      | 63642531852 | £000.00 |
|                                                                                   |                   | 100  | 1      | 63642531854 | £000.00 |
|                                                                                   |                   | 120  | 1      | 63642531855 | £000.00 |
|                                                                                   |                   | 150  | 1      | 63642545861 | £000.00 |
|                                                                                   |                   | 180  | 1      | 63642531856 | £000.00 |
|                                                                                   |                   | 240  | 1      | 63642531857 | £000.00 |
|                                                                                   |                   | 320  | 1      | 63642545865 | £000.00 |
|                                                                                   |                   | 400  | 1      | 63642545867 | £000.00 |
|                                                                                   | 430mm x 50m       | 60   | 1      | 63642539142 | £000.00 |
|                                                                                   |                   | 80   | 1      | 63642539143 | £000.00 |
|                                                                                   |                   | 120  | 1      | 63642539145 | £000.00 |
|                                                                                   |                   | 150  | 1      | 63642539146 | £000.00 |
|                                                                                   |                   | 180  | 1      | 63642539147 | £000.00 |

## CLOTH ROLLS

### NEW K20N +++

- Aluminium oxide grain for fast cut, good material removal and excellent price/performance ratio
- Ideal for general purpose maintenance applications



FERR.  
& NON FERR.



HARD &  
SOFT WOOD



|                                                                                   | DIM<br>WxL (mm/m) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-------------------|------|--------|-------------|---------|
|  | 50mm x 50m        | 40   | 5      | 69957376895 | £000.00 |
|                                                                                   |                   | 60   | 5      | 69957380137 | £000.00 |
|                                                                                   |                   | 80   | 5      | 69957377805 | £000.00 |
|                                                                                   |                   | 100  | 5      | 69957376896 | £000.00 |
|                                                                                   |                   | 120  | 5      | 69957372227 | £000.00 |
|                                                                                   |                   | 150  | 5      | 69957377807 | £000.00 |
|                                                                                   |                   | 180  | 5      | 69957378218 | £000.00 |
|                                                                                   |                   | 220  | 5      | 69957380131 | £000.00 |
|                                                                                   |                   | 240  | 5      | 69957377806 | £000.00 |
|                                                                                   | 100mm x 50m       | 40   | 1      | 69957375533 | £000.00 |
|                                                                                   |                   | 60   | 1      | 69957375535 | £000.00 |
|                                                                                   |                   | 80   | 1      | 69957375536 | £000.00 |
|                                                                                   |                   | 100  | 1      | 69957375528 | £000.00 |
|                                                                                   |                   | 120  | 1      | 69957375529 | £000.00 |
|                                                                                   |                   | 150  | 1      | 69957375530 | £000.00 |
|                                                                                   |                   | 180  | 1      | 69957375531 | £000.00 |
|                                                                                   |                   | 240  | 1      | 69957380132 | £000.00 |
|                                                                                   | 120mm x 25m       | 40   | 1      | 69957374543 | £000.00 |
|                                                                                   |                   | 60   | 1      | 66261060811 | £000.00 |
|                                                                                   |                   | 80   | 1      | 69957374544 | £000.00 |
|                                                                                   |                   | 120  | 1      | 69957374546 | £000.00 |
|                                                                                   |                   | 180  | 1      | 66261060812 | £000.00 |

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

## MADE-TO-ORDER PRODUCT AVAILABILITY

| PRODUCT | BACKING                                | 24 | 36 | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 400 | 600 | 800 |
|---------|----------------------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R222    | Flexible J-weight cotton cloth         |    | •  | •  | •  | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   |     |
| R309*   | Super flexible cotton cloth            |    |    |    | •  | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   |     |     |
| H231    | Strong F-Weight paper                  |    | •  | •  | •  | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   |     |     |
| R817*   | Heavy polyester cloth                  | •  | •  | •  | •  | •  | •   |     |     |     |     |     |     |     |     |     |     |
| A275    | Fibre-reinforced latex, B-weight paper |    |    |    |    | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   |
| K20N    | J-weight cotton cloth                  |    |    | •  | •  | •  | •   | •   | •   | •   | •   | •   |     |     |     |     |     |
| G131F   | E-weight backing                       |    |    | •  | •  | •  | •   | •   | •   | •   | •   |     |     |     |     |     |     |

\*Made to order

### MINIMUM ORDER QUANTITIES FOR MADE TO ORDER ITEMS (50m LONG)

| DIMENSIONS (mm) | MINIMUM ORDER QUANTITY |
|-----------------|------------------------|
| Up to 25mm      | 20 pieces              |
| 26 up to 50mm   | 12 pieces              |
| 51 up to 100mm  | 4 pieces               |
| 101 up to 200mm | 2 pieces               |
| Over 201mm      | 1 piece                |



## NORTON MESHPOWER ROLLS

Norton MeshPower is a multifunctional abrasive, designed with thousands of holes, created by the unique mesh matrix structure. This hole structure allows dust extraction in any application.

- Mesh backing enables excellent dust extraction, for a cleaner working environment and less clean up time
- No-fil® technology prevents clogging for longer product life
- Can be used wet or dry
- Self-grip backing for a quick and easy change
- Can be used on many materials, flat and contoured surfaces, by hand or machine
- No defined hole pattern for fast, easy alignment with the back-up pad
- Easy to identify product type by grain colour

### NEW MESHPOWER ROLLS CERAMIC **+++++**

|                                                                                     | DIMENSIONS | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|------------|------|--------|-------------|---------|
|  | 75 x 10 m  | 80   | 1      | 69957326171 | £000.00 |
|                                                                                     |            | 120  | 1      | 69957326176 | £000.00 |
|                                                                                     |            | 180  | 1      | 69957326178 | £000.00 |
|                                                                                     |            | 240  | 1      | 69957326179 | £000.00 |
|                                                                                     |            | 320  | 1      | 69957326182 | £000.00 |
|                                                                                     | 115 x 10m  | 80   | 1      | 69957326269 | £000.00 |
|                                                                                     |            | 120  | 1      | 69957326270 | £000.00 |
|                                                                                     |            | 180  | 1      | 69957326271 | £000.00 |
|                                                                                     |            | 240  | 1      | 69957326272 | £000.00 |
|                                                                                     |            | 320  | 1      | 69957326273 | £000.00 |



### CERAMIC ADVANTAGE

Ceramic grain provides the ultimate material removal, best productivity, longest life and finest finish.





## BEARTEX ROLLS

Beartex non-woven rolls are ideal for a broad range of applications from cleaning and finishing to deburring and light polishing operations. The flexibility of Beartex products ensures constant contact with the surface and prevents cutting or gouging when working.

Rolls can be cut to the required size and folded to suit any application.

## BEARTEX SLIT ROLLS

- Flexible 3D handpad material in roll form for hand and machine use
- Long life with resilient construction
- Conforms to contours of work surface and provides a uniform finish
- Ideal for blending and finishing applications on a variety of substrates

|                                                                                     | DIM<br>WxL (mm x m) | GRADE                       | CAP<br>CODE | PK QTY | ART NO.     | PRICE     |
|-------------------------------------------------------------------------------------|---------------------|-----------------------------|-------------|--------|-------------|-----------|
|  | 100mm x 10m         | Medium A                    | F2300       | 2      | 63642557499 | £000.00   |
|                                                                                     |                     | <b>NEW</b> Heavy Duty MED A | F2316       | 2      | 66261106168 | £000.00   |
|                                                                                     |                     | Fine A                      | F2401       | 2      | 66261018300 | £000.00   |
|                                                                                     |                     | Very Fine A                 | F2560       | 2      | 63642557738 | £000.00   |
|                                                                                     |                     | Very Fine A Long Life       | F2504       | 2      | 66261018301 | £000.00   |
|                                                                                     |                     | Micro Fine A                | F2801       | 2      | 63642557500 | £000.00   |
|                                                                                     |                     | Ultra Fine S                | F4660       | 2      | 63642557501 | £000.00   |
|                                                                                     | 115mm x 10m         | Very Fine A                 | F2560       | 2      | 63642557739 | £000.00   |
|                                                                                     |                     | Very Fine A Long Life       | F2504       | 2      | 63642587694 | £000.00   |
|                                                                                     |                     | Ultra Fine S                | F4660       | 2      | 63642557503 | £000.00   |
|                                                                                     | 120mm x 10m         | General Purpose             | F2568       | 2      | 63642515571 | £000.00 ▶ |

| DIM<br>WxL (mm x m) | GRADE                       | CAP<br>CODE | PK QTY | ART NO.      | PRICE   |
|---------------------|-----------------------------|-------------|--------|--------------|---------|
| 125mm x 10m         | Medium A                    | F2300       | 2      | 63642557504  | £000.00 |
|                     | Fine A                      | F2401       | 2      | 66261018307  | £000.00 |
|                     | Very Fine A                 | F2560       | 2      | 63642557740  | £000.00 |
|                     | Very Fine A Long Life       | F2504       | 2      | 66261018308  | £000.00 |
|                     | Micro Fine A                | F2801       | 2      | 63642557505* | £000.00 |
|                     | Ultra Fine S                | F4660       | 2      | 63642557506  | £000.00 |
| 150mm x 10m         | Medium A                    | F2300       | 2      | 63642557507  | £000.00 |
|                     | <b>NEW</b> Heavy Duty MED A | F2316       | 2      | 66261106011  | £000.00 |
|                     | Very Fine A                 | F2504       | 2      | 66261018312  | £000.00 |
|                     | Ultra Fine S                | F4660       | 2      | 63642557508* | £000.00 |

\*Made to order

## BEARTEX ROTOLO ROLLS PRE-CUT

- Ideal storage and space saver with self dispensing function
- Rotolo rolls precut every 150mm for easy pad size use
- Thinner web (Thinflex version) cuts faster, saves time, with no added effort from the user. Product can be scrunched, rolled and saves shelf space



| DIM<br>WxL (mm x m) | GRADE                   | CAP<br>CODE | PK QTY | ART NO.     | PRICE   |
|---------------------|-------------------------|-------------|--------|-------------|---------|
| <b>BEARTEX</b>      |                         |             |        |             |         |
| 115mm x 10m         | Very Fine A             | F2504       | 1      | 77696009598 | £000.00 |
|                     | Ultra Fine S            | F4807       | 1      | 77696042071 | £000.00 |
|                     | <b>NEW</b> Micro Fine A | F2802       | 1      | 66261124481 | £000.00 |
|                     | <b>NEW</b> White        | F0001       | 1      | 66261124480 | £000.00 |
| <b>THINFLEX</b>     |                         |             |        |             |         |
| 115mm x 10m         | Very Fine A             | F2504       | 1      | 77696042073 | £000.00 |
|                     | Ultra Fine S            | F4807       | 1      | 77696042075 | £000.00 |

Dimensions Key: DIM = Dimensions, DIA = Diameter, W = Width





## ROTOLO FOAM ROLLS

The special flexible and conforming foam backing allows a very good distribution of sanding pressure preventing over sanding and are ideal for fine sanding on round edges, contours & curves, providing an outstanding finish on primers & top coats. Rotolo Foam rolls are pre-perforated for easy handling by tearing cut sheets out of dispenser box.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ○



| MATERIALS                | NORTON PRO |      |
|--------------------------|------------|------|
|                          | A275       | A296 |
|                          | ++++       | +++  |
| Metal - fine sanding     | ●          | ○    |
| Wood - fine sanding      | ●          | ○    |
| Filler                   | ●          | ○    |
| Varnish / paint / primer | ●          | ○    |
| Composites /coatings     | ●          | ○    |

## NORTON PRO A275

- Premium Aluminum oxide foam rolls are water-resistant, for dry or wet sanding. Washable
- 25m long roll of pre-cut sheets, easy to use and economic
- Excellent for fine sanding with high finishing level
- Ideal for use on round edges, contours and curves without breaking through the paint surface



|                                                                                   | DIM<br>WxL (mm x m) | GRIT | COLOUR        | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|---------------------|------|---------------|--------|-------------|---------|
|  | 115mm x 25m         | 120  | Apple Green   | 2      | 63642535316 | £000.00 |
|                                                                                   |                     | 150  | Orange        | 2      | 63642557584 | £000.00 |
|                                                                                   |                     | 180  | Purple        | 2      | 63642557599 | £000.00 |
|                                                                                   |                     | 220  | Red           | 2      | 63642557600 | £000.00 |
|                                                                                   |                     | 240  | Electric Blue | 2      | 63642557602 | £000.00 |
|                                                                                   |                     | 280  | Grey          | 2      | 63642557604 | £000.00 |
|                                                                                   |                     | 320  | Salmon        | 2      | 63642557606 | £000.00 |
|                                                                                   |                     | 360  | Pink          | 2      | 63642557607 | £000.00 |
|                                                                                   |                     | 400  | Yellow        | 2      | 63642557608 | £000.00 |
|                                                                                   |                     | 500  | Dark Blue     | 2      | 63642557611 | £000.00 |
|                                                                                   |                     | 600  | Fuchsia       | 2      | 63642557612 | £000.00 |
|                                                                                   |                     | 800  | Turquoise     | 2      | 63642557613 | £000.00 |
|                                                                                   |                     | 1000 | White         | 2      | 63642557616 | £000.00 |
|                                                                                   |                     | 1500 | Green         | 2      | 63642557617 | £000.00 |

## GOLD RESERVE A296

- Tough aluminium oxide grain produces a quick and cool cut
- Strong B weight latex / paper backing resists tearing
- Conformable and flexible
- Water-based, non-loading stearate, resists loading



|                                                                                     | DIM<br>WxL (mm x m) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|---------------------|------|--------|-------------|---------|
|  | 115mm x 25m         | 240  | 2      | 66261097596 | £000.00 |
|                                                                                     |                     | 280  | 2      | 66261097597 | £000.00 |
|                                                                                     |                     | 320  | 2      | 66261097598 | £000.00 |
|                                                                                     |                     | 400  | 2      | 66261097599 | £000.00 |
|                                                                                     |                     | 500  | 2      | 66261097600 | £000.00 |
|                                                                                     |                     | 600  | 2      | 66261097601 | £000.00 |
|                                                                                     |                     | 800  | 2      | 66261097602 | £000.00 |

See the Norton Automotive Aftermarket catalogue for extended offer of A296 Rotolo Foam rolls

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



Box labels are colour coded by grit size for easy product recognition. The colour-coding follows the Norton Pro grit colour-coding system





The Norton logo is displayed in white, italicized, sans-serif capital letters within a blue parallelogram shape.

**NORTON**

SAINT-GOBAIN®

COATED  
ABRASIVES

# SHEETS & SPONGES

Cut sheets  
Sheets & hand pads

160  
163

Norton Meshpower  
Beartex sheets & hand pads  
Abrasive sponges

167  
169  
171



## CUT SHEETS FOR SANDING BLOCKS

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.

### PRODUCT SELECTION GUIDE CUT SHEETS

Highly recommended ●

Recommended ◐

Suitable ○

| MATERIAL                 | APPLICATION     | NORTON PRO PLUS<br>A975 | NORTON PRO<br>A275 | G131F |
|--------------------------|-----------------|-------------------------|--------------------|-------|
|                          |                 | *****                   | ****               | ***   |
| Metal                    | Coarse sanding  |                         |                    | ◐     |
|                          | Finishing       |                         |                    | ◐     |
| Hard Wood                | Coarse sanding  |                         | ○                  | ◐     |
|                          | Finishing       | ●                       | ◐                  | ◐     |
| Soft Wood                | Coarse sanding  |                         | ◐                  | ◐     |
|                          | Finishing       | ●                       | ◐                  | ◐     |
| Filler                   | Aluminium/Metal | ◐                       | ◐                  | ○     |
|                          | Polyester       | ●                       |                    | ○     |
| Varnish / Paint / Primer | Coarse sanding  |                         | ●                  | ○     |
|                          | Finishing       | ●                       | ◐                  | ○     |
| Composites / Coatings    | Sanding         | ●                       | ◐                  | ○     |
|                          | Finishing       | ●                       | ◐                  | ○     |
| Plaster                  | Coarse sanding  |                         |                    | ●     |
|                          | Finishing       |                         | ●                  | ◐     |

\*Made to order

### HOLE PATTERNS FOR CUT SHEETS

Norton offers a range of cut sheets with different hole patterns for dust extraction.

Other hole patterns available on request.



80 × 133mm  
8 holes ø 10mm



115 × 280mm  
with no holes

## NORTON PRO PLUS A975

- Norton SG ceramic grain blended with heat treated aluminium oxide abrasive for the highest cut rate
- Extra durability and even wear, ideal for large surface areas
- Higher & faster cut rate with uniform scratch pattern
- Resists clogging during use thanks to the No-Fil® steerate layer



|  | DIM WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|--|--------------|------|--------|-------------|---------|
|  |              | 80   | 25     | 66261087406 | £000.00 |
|  |              | 120  | 25     | 66261087411 | £000.00 |
|  |              | 180  | 25     | 66261187577 | £000.00 |
|  |              | 240  | 25     | 66254478608 | £000.00 |
|  |              | 320  | 25     | 66254478614 | £000.00 |

## NORTON PRO A275

- Premium, heat-treated aluminium oxide abrasive for fast cut rate and improved performance
- The water based No-Fil® resists loading
- Universal cut sheet for multiple applications
- Unique fibre-reinforced latex paper for additional flexibility & tear resistance



|  | DIM WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|--|--------------|------|--------|-------------|---------|
|  |              | 80   | 50     | 63642588214 | £000.00 |
|  |              | 120  | 50     | 63642588217 | £000.00 |
|  |              | 180  | 50     | 63642588221 | £000.00 |
|  |              | 240  | 50     | 63642588223 | £000.00 |
|  |              | 280  | 50     | 63642588224 | £000.00 |
|  |              | 320  | 50     | 63642588225 | £000.00 |
|  |              | 400  | 50     | 63642588226 | £000.00 |

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

## G131F

- Aluminium oxide grain for fast cut, good material removal and excellent price/performance ratio
- Versatile product for wood and plaster sanding
- Made with FSC mix certified paper backing
- Wide make to order availability

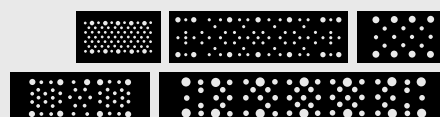


|  | DIM W x L (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|--|----------------|------|--------|-------------|---------|
|  |                | 40   | 50     | 66623372533 | £000.00 |
|  |                | 80   | 50     | 66623372576 | £000.00 |
|  |                | 120  | 50     | 66623372581 | £000.00 |
|  |                | 180  | 50     | 66623372579 | £000.00 |

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

SEE THE NORTON AUTOMOTIVE  
AFTERMARKET CATALOGUE FOR  
**A975 & H835 MULTIAIR CUT SHEETS**

Other sizes available on request.



## CUT SHEETS FOR SANDING BLOCKS

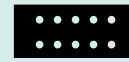
## MADE-TO-ORDER PRODUCT AVAILABILITY

| PRODUCT / GRIT          | 36 | 40 | 60 | 80 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 400 | 500 | 600 | 800 |
|-------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| NORTON PRO PLUS A975    |    |    |    | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   |
| BLUE FIRE NORZON H835F* |    | •  | •  | •  | •   |     | •   |     |     |     |     |     |     |     |     |
| NORTON PRO A275         |    |    |    | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   |
| H231*                   | •  | •  | •  | •  | •   | •   | •   |     | •   |     | •   |     |     |     |     |
| G131F                   |    | •  | •  | •  | •   | •   | •   |     |     |     |     |     |     |     |     |

• Available as make to order

## HOLE PATTERNS FOR CUT SHEETS AVAILABLE AS MTO

Other sizes and hole patterns available on request

115 x 280mm  
14 holes Ø 10mm93 x 180mm  
8 holes Ø 10mm93 x 230mm  
8 holes Ø 10mm115 x 230mm  
10 holes Ø 10mm115 x 280mm  
10 holes Ø 10mmDelta 98 x 148 mm  
7 holes Ø 10mmDelta Ø 96 mm  
6 holes Ø 8 mm  
on hole circle Ø 52 mm

## MINIMUM ORDER QUANTITY

| DIAMETER (mm)  | MINIMUM ORDER QUANTITY |
|----------------|------------------------|
| 80 x 133       | 1000 pieces            |
| 93 x 180       | 1000 pieces            |
| 93 x 230       | 1000 pieces            |
| 115 x 230      | 1000 pieces            |
| 115 x 280      | 1000 pieces            |
| Delta 96mm     | 2000 pieces            |
| Delta 98 x 148 | 1000 pieces            |



## FSC® CERTIFICATION

Utilizing responsibly sourced material and preserving natural resources is a high priority, look out for the FSC® logo next to products manufactured using FSC® certified paper.



## SHEETS & HAND PADS FOR HAND SANDING

Norton offers a comprehensive range of paper, cloth & waterproof sheets for manual applications, used in all commonly encountered industrial applications.

### PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ●

|                             |                           |  |  |  |  |  |
|-----------------------------|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                             |                           | R222<br>CLOTH SHEETS                                                                | <b>NEW</b> K20N<br>CLOTH SHEETS                                                     | NORTON PRO<br>A275<br>PAPER SHEETS                                                   | T489<br>WATERPROOF<br>SHEETS                                                          | T100<br>WATERPROOF<br>SHEETS                                                          |
|                             |                           | *****                                                                               | ***                                                                                 | ****                                                                                 | ****                                                                                  | ***                                                                                   |
| Metal                       | Wet sanding               |                                                                                     |                                                                                     |                                                                                      | ●                                                                                     | ●                                                                                     |
|                             | Dry sanding               | ●                                                                                   | ●                                                                                   |                                                                                      |                                                                                       |                                                                                       |
| Hard wood                   | Coarse sanding            | ●                                                                                   | ●                                                                                   |                                                                                      |                                                                                       |                                                                                       |
|                             | Light sanding & finishing |                                                                                     |                                                                                     | ●                                                                                    |                                                                                       |                                                                                       |
| Varnish /<br>paint / primer | Wet sanding               |                                                                                     |                                                                                     |                                                                                      | ●                                                                                     | ●                                                                                     |
|                             | Dry sanding               |                                                                                     |                                                                                     | ●                                                                                    |                                                                                       |                                                                                       |

More products available in the Norton Automotive Aftermarket catalogue



## SHEETS & HAND PADS FOR HAND SANDING

### R222 CLOTH SHEETS

- Aluminium oxide abrasive
- Highly flexible J-weight cloth backing for use on curves and contours
- High quality universal product
- Tears cleanly and easily

FERR. &  
NON FERR.



PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD



|                                                                                   | DIM WxL (mm)                                                                      | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|--------|-------------|---------|
|  |  | 40   | 25     | 63642531776 | £000.00 |
|                                                                                   |                                                                                   | 50   | 25     | 63642531777 | £000.00 |
|                                                                                   |                                                                                   | 60   | 25     | 63642531778 | £000.00 |
|                                                                                   |                                                                                   | 80   | 50     | 63642531779 | £000.00 |
|                                                                                   |                                                                                   | 100  | 50     | 63642531780 | £000.00 |
|                                                                                   |                                                                                   | 120  | 50     | 63642531781 | £000.00 |
|                                                                                   |                                                                                   | 150  | 50     | 63642531782 | £000.00 |
|                                                                                   |                                                                                   | 180  | 50     | 63642531783 | £000.00 |
|                                                                                   |                                                                                   | 220  | 50     | 63642531785 | £000.00 |
|                                                                                   |                                                                                   | 240  | 50     | 63642531786 | £000.00 |
|                                                                                   |                                                                                   | 280  | 50     | 63642531788 | £000.00 |
|                                                                                   |                                                                                   | 320  | 50     | 63642531789 | £000.00 |
|                                                                                   |                                                                                   | 400  | 50     | 63642531790 | £000.00 |
|                                                                                   |                                                                                   | 600  | 50     | 63642534613 | £000.00 |

### NEW K20N CLOTH SHEETS

- Aluminium oxide abrasive for aggressive cutting action on all dry sanding applications
- Heavy & light duty hand sanding depending on grit
- For use on wood and metal (rust removal to light finishing)
- Excellent price / performance ratio

FERR. &  
NON FERR.



PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD



|                                                                                     | DIM WxL (mm)                                                                        | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|--------|-------------|---------|
|  |  | 40   | 50     | 69957307652 | £000.00 |
|                                                                                     |                                                                                     | 60   | 50     | 69957307653 | £000.00 |
|                                                                                     |                                                                                     | 80   | 50     | 69957307655 | £000.00 |
|                                                                                     |                                                                                     | 100  | 50     | 69957307659 | £000.00 |
|                                                                                     |                                                                                     | 120  | 50     | 69957307661 | £000.00 |
|                                                                                     |                                                                                     | 150  | 50     | 69957307663 | £000.00 |
|                                                                                     |                                                                                     | 180  | 50     | 69957307668 | £000.00 |
|                                                                                     |                                                                                     | 220  | 50     | 69957307669 | £000.00 |
|                                                                                     |                                                                                     | 240  | 50     | 69957307671 | £000.00 |

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

## NORTON PRO A275 PAPER SHEETS

- Premium, aluminium oxide abrasive for fast cut rate and improved performance
- The water based No-Fil® improves resistance to clogging
- Faster cut rate and longer life
- Unique fibre-reinforced latex paper for additional flexibility & tear resistance

PAINT/VARN, PLASTER  
& FILLER, HARD WOOD  
& SOFT WOOD



|                                                                                   | DIM WxL (mm)                                                                                   | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------|--------|-------------|---------|
|  | 230 x 280<br> | 80   | 50     | 63642558015 | £000.00 |
|                                                                                   |                                                                                                | 100  | 50     | 63642585256 | £000.00 |
|                                                                                   |                                                                                                | 120  | 100    | 63642558016 | £000.00 |
|                                                                                   |                                                                                                | 150  | 100    | 63642586145 | £000.00 |
|                                                                                   |                                                                                                | 180  | 100    | 63642558017 | £000.00 |
|                                                                                   |                                                                                                | 220  | 100    | 63642586139 | £000.00 |
|                                                                                   |                                                                                                | 240  | 100    | 63642558018 | £000.00 |
|                                                                                   |                                                                                                | 280  | 100    | 63642585742 | £000.00 |
|                                                                                   |                                                                                                | 320  | 100    | 63642586132 | £000.00 |
|                                                                                   |                                                                                                | 360  | 100    | 63642586133 | £000.00 |
|                                                                                   |                                                                                                | 400  | 100    | 63642586134 | £000.00 |
|                                                                                   |                                                                                                | 500  | 100    | 63642586136 | £000.00 |
|                                                                                   |                                                                                                | 600  | 100    | 63642586137 | £000.00 |
|                                                                                   |                                                                                                | 800  | 100    | 63642586138 | £000.00 |

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

## T489 WATERPROOF SHEETS

- Extremely sharp Silicon carbide grain for hard and tough surfaces
- Flexible backing for improved conformability to workpiece
- For use on lacquer, paint, metal, glass, stone, marble & plastic
- Waterproof paper backing for wet and dry sanding

FERR.  
& NON FERR.



PAINT/  
VARN



STONE



|                                                                                     | DIM WxL (mm)                                                                                     | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------|--------|-------------|---------|
|  | 230 x 280<br> | 60   | 50     | 63642532956 | £000.00 |
|                                                                                     |                                                                                                  | 80   | 50     | 63642532988 | £000.00 |
|                                                                                     |                                                                                                  | 100  | 50     | 63642532989 | £000.00 |
|                                                                                     |                                                                                                  | 120  | 50     | 63642532990 | £000.00 |
|                                                                                     |                                                                                                  | 150  | 50     | 63642532991 | £000.00 |
|                                                                                     |                                                                                                  | 180  | 50     | 63642532957 | £000.00 |
|                                                                                     |                                                                                                  | 220  | 50     | 63642532992 | £000.00 |
|                                                                                     |                                                                                                  | 240  | 50     | 63642532993 | £000.00 |
|                                                                                     |                                                                                                  | 280  | 50     | 63642532994 | £000.00 |
|                                                                                     |                                                                                                  | 320  | 50     | 63642532995 | £000.00 |
|                                                                                     |                                                                                                  | 360  | 50     | 63642532996 | £000.00 |
|                                                                                     |                                                                                                  | 400  | 50     | 63642532997 | £000.00 |
|                                                                                     |                                                                                                  | 500  | 50     | 63642532998 | £000.00 |
|                                                                                     |                                                                                                  | 600  | 50     | 63642532999 | £000.00 |
|                                                                                     |                                                                                                  | 800  | 50     | 63642533000 | £000.00 |
|                                                                                     |                                                                                                  | 1000 | 50     | 63642533001 | £000.00 |
|                                                                                     |                                                                                                  | 1200 | 50     | 63642533002 | £000.00 |

## SHEETS &amp; HAND PADS FOR HAND SANDING

T100 WATERPROOF SHEETS 

- Aluminium oxide abrasive
- Waterproof paper backing for wet and dry sanding

- Multi-purpose product
- Excellent price / performance ratio

FERR.  
& NON FERR.PAINT/  
VARN

|                                                                                   | DIM WxL (mm)                                                                      | GRIT        | PK QTY      | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-------------|-------------|---------|
|  | 230 x 280                                                                         | 60          | 50          | 77696081101 | £000.00 |
|                                                                                   |  | 80          | 50          | 77696069788 | £000.00 |
|                                                                                   |                                                                                   | 100         | 50          | 77696081102 | £000.00 |
|                                                                                   |                                                                                   | 120         | 50          | 77696081103 | £000.00 |
|                                                                                   |                                                                                   | 150         | 50          | 77696081104 | £000.00 |
|                                                                                   |                                                                                   | 180         | 50          | 77696081105 | £000.00 |
|                                                                                   |                                                                                   | 220         | 50          | 77696069787 | £000.00 |
|                                                                                   |                                                                                   | 240         | 50          | 77696081106 | £000.00 |
|                                                                                   |                                                                                   | 280         | 50          | 77696081107 | £000.00 |
|                                                                                   |                                                                                   | 320         | 50          | 77696069784 | £000.00 |
|                                                                                   |                                                                                   | 360         | 50          | 77696081108 | £000.00 |
|                                                                                   |                                                                                   | 400         | 50          | 77696081109 | £000.00 |
|                                                                                   |                                                                                   | 500         | 50          | 77696081110 | £000.00 |
|                                                                                   |                                                                                   | 600         | 50          | 77696081111 | £000.00 |
|                                                                                   |                                                                                   | 800         | 50          | 77696081112 | £000.00 |
|                                                                                   |                                                                                   | 1000        | 50          | 77696081113 | £000.00 |
| 1200                                                                              | 50                                                                                | 77696081114 | £000.00     |             |         |
|                                                                                   | 1500                                                                              | 50          | 63642531009 | £000.00     |         |





## NORTON MESHPOWER SHEETS

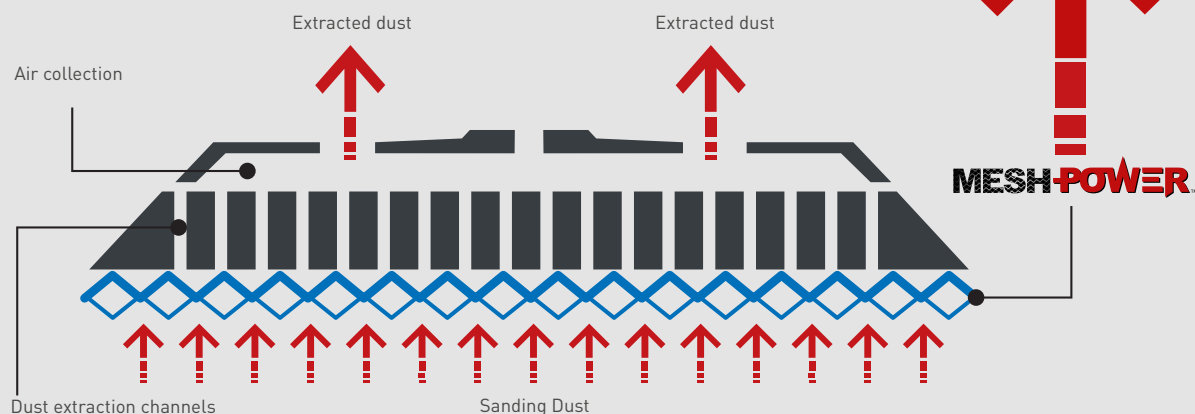
An alternative to traditional perforated paper sheets, Norton MeshPower is a multifunctional abrasive, designed with thousands of holes, created by the unique mesh matrix structure. This hole structure allows dust extraction in any application.

- Mesh backing enables excellent dust extraction, for a cleaner working environment and less clean up time
- No-fil® technology prevents clogging for longer product life
- Can be used wet or dry
- Self-grip backing for a quick and easy sheet change
- Can be used on many materials, flat and contoured surfaces, by hand or machine
- No defined hole pattern for fast, easy alignment with the back-up pad
- Easy to identify product type by grain colour

## POWERFUL DUST EXTRACTION MEANS A CLEANER ENVIRONMENT

The demand for a cleaner working environment, better quality finish and reduced consumable cost, means sanding solutions have evolved, from paper backed abrasive to a mesh construction with thousands of tiny holes.

Norton MeshPower responds to these demands by offering dust extraction in many operations. The open mesh construction of the backing allows dust particles to flow freely through thousands of tiny holes, creating a virtually dust free sanding environment. Better for your health, better for your application and better for your business!



### CERAMIC ADVANTAGE

Ceramic grain provides the ultimate material removal, best productivity, longest life and finest finish.

**NEW** MESHPOWER CUT SHEETS CERAMIC

|                                                                                   | DIM WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|--------------|------|--------|-------------|---------|
|  | 70x125       | 80   | 50     | 69957325770 | £000.00 |
|                                                                                   |              | 120  | 50     | 69957325772 | £000.00 |
|                                                                                   |              | 180  | 50     | 69957325773 | £000.00 |
|                                                                                   |              | 240  | 50     | 69957325774 | £000.00 |
|                                                                                   |              | 320  | 50     | 69957325775 | £000.00 |
|                                                                                   | 70x198       | 80   | 50     | 69957325962 | £000.00 |
|                                                                                   |              | 120  | 50     | 69957325963 | £000.00 |
|                                                                                   |              | 180  | 50     | 69957325964 | £000.00 |
|                                                                                   |              | 240  | 50     | 69957325965 | £000.00 |
|                                                                                   |              | 320  | 50     | 69957325966 | £000.00 |
|                                                                                   | 70x420       | 80   | 50     | 69957325986 | £000.00 |
|                                                                                   |              | 120  | 50     | 69957325987 | £000.00 |
|                                                                                   |              | 180  | 50     | 69957325988 | £000.00 |
|                                                                                   |              | 240  | 50     | 69957325990 | £000.00 |
|                                                                                   |              | 320  | 50     | 69957325991 | £000.00 |
|                                                                                   | 115x230      | 80   | 50     | 69957326057 | £000.00 |
|                                                                                   |              | 120  | 50     | 69957326062 | £000.00 |
|                                                                                   |              | 180  | 50     | 69957326063 | £000.00 |
|                                                                                   |              | 240  | 50     | 69957326065 | £000.00 |
|                                                                                   |              | 320  | 50     | 69957326068 | £000.00 |

**NEW** MESHPOWER CUT SHEETS ALUMINIUM OXIDE

|                                                                                     | DIM WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|--------------|------|--------|-------------|---------|
|  | 70x198       | 80   | 50     | 69957326280 | £000.00 |
|                                                                                     |              | 120  | 50     | 69957326281 | £000.00 |
|                                                                                     |              | 180  | 50     | 69957326283 | £000.00 |
|                                                                                     |              | 240  | 50     | 69957326285 | £000.00 |
|                                                                                     |              | 320  | 50     | 69957326286 | £000.00 |
|                                                                                     | 70x420       | 80   | 50     | 69957326288 | £000.00 |
|                                                                                     |              | 120  | 50     | 69957326289 | £000.00 |
|                                                                                     |              | 180  | 50     | 69957326291 | £000.00 |
|                                                                                     |              | 240  | 50     | 69957326292 | £000.00 |
|                                                                                     |              | 320  | 50     | 69957326294 | £000.00 |





## BEARTEX SHEETS & 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 Beartex products ensures constant contact with the surface and prevents cutting or gouging when working. Can be folded to suit hand / shape. Perforated pads for clean and easy tearing also available. These perforations allow for smooth, shred free split to create 2 smaller, easy to use 115mm x 150mm pads

## BEARTEX HAND PADS

- Open mesh construction resists clogging
- Flexible, conforms to curves, contours and tight spaces easily, will not break
- Waterproof, washable and reusable
- Lasts longer than standard sandpaper and will not gouge the workpiece when used

|                                                                                     | DIM<br>W x L (mm) | GRADE                         | CAP<br>CODE | PK QTY      | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-------------------|-------------------------------|-------------|-------------|-------------|---------|
| HAND PADS                                                                           |                   |                               |             |             |             |         |
|  | 150x230           | Extra Cut A                   | F2302       | 20          | 63642557491 | £000.00 |
|                                                                                     |                   | Heavy Duty                    | F2316       | 20          | 63642577268 | £000.00 |
|                                                                                     |                   | Medium A                      | F2300       | 20          | 63642557493 | £000.00 |
|                                                                                     |                   | Fine A                        | F2401       | 20          | 66261018286 | £000.00 |
|                                                                                     |                   | Very Fine A Long Life         | F2504       | 20          | 66261018287 | £000.00 |
|                                                                                     |                   | Gen. Purpose Clean & Scour A  | F2568       | 20          | 63642574103 | £000.00 |
|                                                                                     |                   | Medium S                      | F4300       | 20          | 66261039806 | £000.00 |
|                                                                                     |                   | Ultra Fine S                  | F4807       | 20          | 77696046252 | £000.00 |
|                                                                                     |                   | Micro Fine A                  | F2801       | 20          | 63642557277 | £000.00 |
|                                                                                     |                   | White Cleaning (Non Abrasive) | F0001       | 20          | 66261018283 | £000.00 |
|                                                                                     | 230x280           | Very Fine A Long Life         | F2504       | 20          | 66261018291 | £000.00 |
| Ultra Fine S                                                                        |                   | F4807                         | 20          | 66261018292 | £000.00     |         |
| PERFORATED HAND PADS (PRE-CUT)                                                      |                   |                               |             |             |             |         |
|                                                                                     | 150x230           | Very Fine A Long Life         | F2504       | 20          | 66261018293 | £000.00 |
|                                                                                     |                   | Ultra Fine S                  | F4807       | 20          | 66261018294 | £000.00 |

THIN FLEX HAND PADS 

- Thinner special coated web design cuts fast and saves time
- Ultra flexible so conforms even better to contoured surfaces for an ultra consistent scratch pattern
- Ideal for getting into tight spaces as pads can be scrunched and rolled
- Advanced web formation provides superior grain adhesion, durability and product life
- Ideal for woodworking, metalworking, maintenance operations as well as car body repair.

|                                                                                   | DIM<br>WxL (mm) | GRADE                 | CAP<br>CODE | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|-----------------|-----------------------|-------------|--------|-------------|---------|
|  | 115x230         | Very fine A long life | F2543       | 4x25   | 63642506166 | £000.00 |
|                                                                                   |                 | Ultra fine S          | F4614       | 4x25   | 63642506167 | £000.00 |
|                                                                                   |                 | Micro fine A          | F2804       | 10x10  | 66261113519 | £000.00 |

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

## PRODUCT SELECTION GUIDE

| CAP CODE                                          | GRADE                      | ABRASIVE         | TARGET MATERIAL                                | APPLICATION                                                                                                                                                                                                                            | BENEFITS                                                                                                                                                                              |
|---------------------------------------------------|----------------------------|------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HAND PADS (IN ORDER OF DECREASING AGGRESSIVENESS) |                            |                  |                                                |                                                                                                                                                                                                                                        |                                                                                                                                                                                       |
| F2316                                             | Extra cut                  | Aluminium oxide  | Stainless steel                                | <ul style="list-style-type: none"> <li>• Rust removal</li> <li>• Blending</li> <li>• Deburring</li> <li>• Bluing removal</li> </ul>                                                                                                    | <ul style="list-style-type: none"> <li>• Aggressive &amp; durable</li> <li>• Long life</li> <li>• Ideal replacement for coated abrasive steel wool &amp; wire brushes</li> </ul>      |
| F2300                                             | Medium                     | Aluminium oxide  | Metals & ceramics                              | <ul style="list-style-type: none"> <li>• Cleaning, deburring</li> <li>• Rust removal</li> <li>• Coating removal</li> </ul>                                                                                                             | <ul style="list-style-type: none"> <li>• Strong &amp; open construction</li> <li>• Resists loading</li> <li>• Long life</li> <li>• Ideal for achieving a matt satin finish</li> </ul> |
| F2401                                             | Fine                       | Aluminium oxide  | Wood & plastics                                | <ul style="list-style-type: none"> <li>• Cleaning &amp; Intermediate finishing of ferrous &amp; non-ferrous metals</li> <li>• Defuzzing wood, denibbing laquers, paints &amp; plastic</li> </ul>                                       | <ul style="list-style-type: none"> <li>• Coarser &amp; stiffer than very fine pad</li> <li>• Ideal for achieving a matt satin finish</li> </ul>                                       |
| F2560/<br>F2529                                   | Very fine                  | Aluminium oxide  | General purpose                                | <ul style="list-style-type: none"> <li>• Rust removal</li> <li>• Automotive primer keying</li> <li>• Defuzzing wood, denibbing plastic</li> </ul>                                                                                      | <ul style="list-style-type: none"> <li>• Conforms well to contoured surfaces</li> <li>• Excellent finish on a wide variety of surfaces</li> </ul>                                     |
| F2504                                             | Very fine (long life)      | Aluminium oxide  | General purpose                                | <ul style="list-style-type: none"> <li>• Rust removal</li> <li>• Automotive primer keying</li> <li>• Defuzzing wood, denibbing plastic,</li> <li>• Light sanding of old paint and new primers</li> </ul>                               | <ul style="list-style-type: none"> <li>• Moderate flexibility</li> <li>• Fast initial cut</li> <li>• Long life</li> <li>• No colour blend when used with solvents</li> </ul>          |
| F2568                                             | Gen. purpose clean & scour | Alumina silicate | Metals & plastics                              | <ul style="list-style-type: none"> <li>• General purpose cleaning, surface preparation prior to painting</li> <li>• Removal of light stains &amp; oxide marks on metal surfaces</li> </ul>                                             | <ul style="list-style-type: none"> <li>• Low cost pad</li> <li>• Good performance at an economical price</li> </ul>                                                                   |
| F4300                                             | Medium (SiC)               | Silicon carbide  | Stainless steel                                | <ul style="list-style-type: none"> <li>• Satin finishing aluminium, cleaning glass moulds</li> <li>• Grain finishing, removal of weld bluing on stainless steel</li> </ul>                                                             | <ul style="list-style-type: none"> <li>• Resilient</li> <li>• Conforms well to surface contours</li> </ul>                                                                            |
| F4660/<br>F4807/<br>F4605                         | Ultra fine                 | Silicon carbide  | General purpose                                | <ul style="list-style-type: none"> <li>• Keying clear coat, finishing metal, deburring plastics, finishing aluminium</li> <li>• Doors &amp; window frames, blending paint, scuffing varnishes &amp; keying acrylic coatings</li> </ul> | <ul style="list-style-type: none"> <li>• Can be used wet or dry with prepping compounds</li> </ul>                                                                                    |
| F2801/<br>F2829                                   | Micro fine                 | Calcined alumina | Precious metals, varnished wood, car body work | <ul style="list-style-type: none"> <li>• Keying clear coat</li> <li>• Polishing</li> </ul>                                                                                                                                             | <ul style="list-style-type: none"> <li>• Produces an extremely high quality surface finish</li> <li>• Ideal for cleaning precious metals and finishing varnished wood</li> </ul>      |
| F0001                                             | White cleaning             | None             | All surfaces                                   | <ul style="list-style-type: none"> <li>• Light cleaning, polishing</li> <li>• Rubbing down primer &amp; highlighting wood</li> </ul>                                                                                                   | <ul style="list-style-type: none"> <li>• Highly conformable</li> <li>• Tear resistant</li> <li>• Ideal for use with liquid detergent</li> </ul>                                       |



## ABRASIVE SPONGES FOR HAND SANDING

Abrasive sanding sponges are designed for use on wood, paint and metal. Their flexible nature means they can be used on curved, contoured and flat surfaces.

### PRODUCT SELECTION GUIDE

| MATERIAL      | APPLICATION    | GRIT  |
|---------------|----------------|-------|
|               |                | ++++  |
| All materials | Rough sanding  | 60    |
|               | Semi-finishing | 100   |
|               | Finishing      | 180 + |

### ABRASIVE SPONGES APPLICATION GUIDE

| GRADE      | GRIT | FINISH<br>GENERATED | APPLICATIONS                                                   |
|------------|------|---------------------|----------------------------------------------------------------|
| Medium     | 60   | 180/120             | Scuffing, shaping filler                                       |
| Fine       | 100  | 400/320             | Feather edging, scuffing primer, and new parts before painting |
| Super fine | 180  | 600/500             | Preparing panel for base coat                                  |
| Ultra fine | 220  | 1000/800            | Sanding base coat, removing clear coat defects                 |
| Micro fine | 280  | 1500/1200           | Clear coat sanding, removing minor defects                     |

## ABRASIVE SPONGES FOR HAND SANDING

### SPONGES ++++

- Multi-purpose, can be used for wet or dry sanding
- Easy to reach areas inaccessible to sandpaper sheets
- Conforms to surface shapes & contours, providing a uniform finish
- Washable & robust can be reused, extending product life

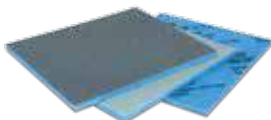
### ONE SIDED ABRASIVE

FERR. & NON FERR.



PAINT/VARN, PLASTER & FILLER, HARD WOOD & SOFT WOOD



|                                                                                   | DIM WxLxH (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------------|------|--------|-------------|---------|
|  | 140x115x6      | 60   | 20     | 63642550599 | £000.00 |
|                                                                                   |                | 100  | 20     | 63642550601 | £000.00 |
|                                                                                   |                | 180  | 20     | 63642550602 | £000.00 |
|                                                                                   |                | 220  | 20     | 63642550603 | £000.00 |
|                                                                                   |                | 280  | 20     | 63642550604 | £000.00 |

### TWO SIDED ABRASIVE

|                                                                                    | DIM WxLxH (mm) | GRIT | PK QTY | ART NO.    | PRICE   |
|------------------------------------------------------------------------------------|----------------|------|--------|------------|---------|
|  | 123x98x12,5    | 60   | 60     | 7660717578 | £000.00 |
|                                                                                    |                | 100  | 60     | 7660705187 | £000.00 |
|                                                                                    |                | 180  | 60     | 7660705188 | £000.00 |
|                                                                                    | 123x98x12,5    | 60   | 250    | 7660719341 | £000.00 |
|                                                                                    |                | 100  | 250    | 7660719342 | £000.00 |
|                                                                                    |                | 180  | 250    | 7660719343 | £000.00 |

### FOUR SIDED ABRASIVE

|                                                                                     | DIM WxLxH (mm) | GRIT | PK QTY | ART NO.    | PRICE   |
|-------------------------------------------------------------------------------------|----------------|------|--------|------------|---------|
|  | 100x66x26      | 60   | 60     | 7660717579 | £000.00 |
|                                                                                     |                | 100  | 60     | 7660705189 | £000.00 |
|                                                                                     |                | 180  | 60     | 7660705190 | £000.00 |
|                                                                                     | 100x66x26      | 100  | 250    | 7660719345 | £000.00 |
|                                                                                     |                | 180  | 250    | 7660719346 | £000.00 |

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



Abrasive sponges generate a finer finish than conventional coated abrasive products. The sponges are washable and can be reused, giving greater product life.



## REASONS TO CHOOSE A SPONGE VS CONVENTIONAL SHEET

#### ELIMINATE CLOGGING

- The combination of flexible foam backing material and abrasive grit adhesion continually releases sanded material
- Any clogging can be washed out

#### PRESSURE CONTROL

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

#### ADAPT TO CONTOURS

- Flexible foam allows adaptability to contours, shapes or areas of limited access
- No folding or buckling results in an even pattern without scratching





**NORTON**

SAINT-GOBAIN®

COATED  
ABRASIVES

# BELTS

File belts  
Portable belts

174 Narrow belts  
180 Rapid Prep belts

183  
191





## FILE BELTS FOR FILE BELT MACHINES

Norton offers a wide range of file belts designed to outstanding performance on intricate shapes and contours. Portable file belt sanders have replaced tedious hand filing and sanding. First introduced in pneumatic, they are now also available in electric. Increasingly, tool manufacturers are introducing additional fixtures for additional applications. The belts listed are popular stock sizes, but additional sizes, specifications, backing materials, and edge scallops are available made-to-order.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ○  
Satisfactory ○

|                                     | VIKING<br>R996 | SG<br>R929 | NORZON<br>R822 | NORZON<br>R817 | R445 | R293 | R230 |
|-------------------------------------|----------------|------------|----------------|----------------|------|------|------|
|                                     | +++++          | +++++      | ++++           | ++++           | +++  | +++  | +++  |
| Stainless steel, inox & duplex      | ●              | ●          | ○              |                |      | ○    |      |
| Inconel, titanium & super alloys    | ●              | ●          | ○              |                |      | ○    |      |
| Carbon, construction & mild steels  |                | ●          | ○              |                |      | ○    |      |
| Cast iron                           |                | ○          | ●              |                |      | ○    |      |
| Non-ferrous metal (brass/aluminium) |                |            |                | ●              | ○    | ○    | ○    |
| Hard & soft wood                    |                |            |                | ●              |      |      | ○    |
| Composite materials                 |                |            |                |                | ●    |      | ○    |
| Stone, concrete                     |                |            |                |                | ●    | ○    |      |
| Glass, plastic                      |                |            |                |                | ●    | ○    |      |
| Rubber, plastic                     |                |            |                | ●              |      | ○    | ○    |
| Leather                             |                |            |                | ●              |      | ○    | ○    |

## VIKING R996

- The best choice for use on stainless steel, inconels, chromium cobalt, titanium and extremely hard materials
- Maximum performance for lowest overall grinding cost on the most difficult-to-grind materials
- Heavy duty applications with the highest stock removal, reduced heat, loading and glazing
- Advanced "supersize" grinding aid for fast and consistent cut rate with less off hand pressure required to cut



|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 9x533    | 40   | 10     | 66261128510 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261128511 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261128512 | £000.00 |
|                                                                                   | 13x457   | 40   | 10     | 66261128495 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261128498 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261128499 | £000.00 |
|                                                                                   | 15x475   | 40   | 10     | 66261128521 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261128522 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261128523 | £000.00 |
|                                                                                   | 19x457   | 40   | 10     | 66254480433 | £000.00 |
|                                                                                   |          | 60   | 10     | 66254408250 | £000.00 |
|                                                                                   |          | 80   | 10     | 66254471640 | £000.00 |

## SG R929

- Made with premium SG abrasive grain, perfect for heat sensitive metals
- High content of active filler for cool cut, no burn marks on the metal part
- Excellent performance at low & medium pressure
- X-weight polyester cloth, extremely durable even on aggressive applications



|                                                                                     | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 6x457    | 40   | 10     | 66261123531 | £000.00 |
|                                                                                     |          | 60   | 10     | 66261123532 | £000.00 |
|                                                                                     |          | 80   | 10     | 66261123533 | £000.00 |
|                                                                                     |          | 120  | 10     | 66261123535 | £000.00 |
|                                                                                     | 6x520    | 40   | 10     | 66261123543 | £000.00 |
|                                                                                     |          | 60   | 10     | 66261123545 | £000.00 |
|                                                                                     |          | 80   | 10     | 66261123546 | £000.00 |
|                                                                                     |          | 120  | 10     | 66261123547 | £000.00 |
|                                                                                     | 9x533    | 40   | 10     | 66261123552 | £000.00 |
|                                                                                     |          | 60   | 10     | 66261123553 | £000.00 |
|                                                                                     |          | 80   | 10     | 66261123554 | £000.00 |
|                                                                                     |          | 120  | 10     | 66261123555 | £000.00 |
|                                                                                     | 10x330   | 40   | 10     | 66623303110 | £000.00 |
|                                                                                     |          | 60   | 10     | 66261144369 | £000.00 |
|                                                                                     |          | 80   | 10     | 66623303270 | £000.00 |
|                                                                                     |          | 120  | 10     | 66623303271 | £000.00 |

Dimensions Key: W = Width, L = Length

## FILE BELTS FOR FILE BELT MACHINES

| WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|----------|------|--------|-------------|---------|
| 13x305   | 40   | 10     | 66261194353 | £000.00 |
|          | 60   | 10     | 66261023616 | £000.00 |
|          | 80   | 10     | 66261023617 | £000.00 |
|          | 120  | 10     | 66261023618 | £000.00 |
| 13x457   | 40   | 10     | 66261123522 | £000.00 |
|          | 60   | 10     | 66261123523 | £000.00 |
|          | 80   | 10     | 66261123524 | £000.00 |
|          | 120  | 10     | 66261123525 | £000.00 |
| 13x610   | 40   | 10     | 66261123636 | £000.00 |
|          | 60   | 10     | 66261123638 | £000.00 |
|          | 80   | 10     | 66261123639 | £000.00 |
|          | 120  | 10     | 66261123640 | £000.00 |
| 15x475   | 40   | 10     | 66261123646 | £000.00 |
|          | 60   | 10     | 66261123647 | £000.00 |
|          | 80   | 10     | 66261123648 | £000.00 |
|          | 120  | 10     | 66261123649 | £000.00 |
| 19x457   | 40   | 10     | 66254487679 | £000.00 |
|          | 60   | 10     | 66254480427 | £000.00 |
|          | 80   | 10     | 66254481839 | £000.00 |
|          | 120  | 10     | 66254481840 | £000.00 |
| 20x520   | 40   | 10     | 66623303272 | £000.00 |
|          | 60   | 10     | 66261029755 | £000.00 |
|          | 80   | 10     | 66623303275 | £000.00 |
|          | 120  | 10     | 66623303276 | £000.00 |

## NORZON R817

- Norzon grain continually exposes new cutting surfaces for long belt life even at high pressure
- Heavy polyester cloth, stiff tear resistant for tough applications
- Ideal for grinding skis
- High-performance resin bond provides strong grain adhesion, extending belt life
- Open grain distribution, recommended for grinding soft materials like aluminium, plastic, rubber or leather

| WxL (mm)                                                                            | GRIT | PK QTY | NON FERR. PLASTIC, RUBBER & LEATHER  |         |
|-------------------------------------------------------------------------------------|------|--------|---------------------------------------------------------------------------------------------------------------------------|---------|
|                                                                                     |      |        | ART NO.                                                                                                                   | PRICE   |
|  | 24   | 10     | 69957383624                                                                                                               | £000.00 |
|                                                                                     | 36   | 10     | 63642571575                                                                                                               | £000.00 |
|                                                                                     | 40   | 10     | 63642556322                                                                                                               | £000.00 |
| 34x435                                                                              | 24   | 10     | 63642545273                                                                                                               | £000.00 |
|                                                                                     | 36   | 10     | 63642568989                                                                                                               | £000.00 |
|                                                                                     | 40   | 10     | 63642549470                                                                                                               | £000.00 |

# NORZON R82

- Norzon grain continually exposes new cutting surfaces for long belt life even at high pressure
- Extremely durable for use in all demanding applications
- X-weight cotton backing for moderate to light pressure applications

FERR. & NON FERR. 

|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 10x330   | 40   | 10     | 66261144347 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261144348 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261144349 | £000.00 |
|                                                                                   |          | 120  | 10     | 66261144350 | £000.00 |
|                                                                                   | 13x305   | 40   | 10     | 66261194351 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642552143 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642524376 | £000.00 |
|                                                                                   |          | 120  | 10     | 69957308462 | £000.00 |
|                                                                                   | 13x457   | 40   | 10     | 66261141253 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261141254 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261141255 | £000.00 |
|                                                                                   |          | 120  | 10     | 66261141256 | £000.00 |
|                                                                                   | 13x610   | 40   | 10     | 66261141257 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642539830 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261141260 | £000.00 |
|                                                                                   |          | 120  | 10     | 66261141261 | £000.00 |
|                                                                                   | 15x475   | 40   | 10     | 66261141262 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261141263 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261141264 | £000.00 |
|                                                                                   |          | 120  | 10     | 66261141265 | £000.00 |
|                                                                                   | 19x457   | 40   | 10     | 66623330766 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642539828 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642539836 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642539843 | £000.00 |
|                                                                                   | 20x520   | 40   | 10     | 66261141266 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261141267 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261141269 | £000.00 |
|                                                                                   |          | 120  | 10     | 66261141270 | £000.00 |
|                                                                                   | 30x533   | 40   | 10     | 63642538962 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642538963 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642538964 | £000.00 |
|                                                                                   | 35x440   | 40   | 10     | 77696087694 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261032676 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642510293 | £000.00 |
|                                                                                   |          | 120  | 10     | 77696087695 | £000.00 |

Dimensions Key: W = Width, L = Length

## FILE BELTS FOR FILE BELT MACHINES

### R445

- Hard and sharp silicon carbide grains for medium duty applications
- Can be used for dry or wet due to polyester backing
- For high initial cut on non-ferrous and soft-loading materials such as glass, titanium, masonry, composites, plastic and rubber

|  | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|                                                                                   | 15x475   | 60   | 50     | 63642547214 | £000.00 |
|                                                                                   |          | 80   | 50     | 63642539677 | £000.00 |
|                                                                                   |          | 120  | 50     | 63642539678 | £000.00 |
|                                                                                   | 20x520   | 60   | 50     | 66254425393 | £000.00 |
|                                                                                   |          | 80   | 50     | 63642567304 | £000.00 |
|                                                                                   |          | 120  | 50     | 63642547790 | £000.00 |
|                                                                                   | 30x533   | 60   | 50     | 63642519009 | £000.00 |
|                                                                                   |          | 80   | 50     | 69957379493 | £000.00 |
|                                                                                   |          | 120  | 50     | 69957371884 | £000.00 |

NON FERR.  
STONE, GLASS



### R293

- General purpose aluminium oxide belt, good price / performance ratio
- Resin bond system provides good edge retention and life versus other belts
- For high initial cut on non-ferrous and soft-loading materials such as glass, titanium, masonry, composites, plastic and rubber
- With active filler for improved life on metal applications

|  | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|                                                                                     | 9x533    | 40   | 10     | 66254470284 | £000.00 |
|                                                                                     |          | 60   | 10     | 63642508840 | £000.00 |
|                                                                                     |          | 80   | 10     | 66254470277 | £000.00 |
|                                                                                     |          | 120  | 10     | 66254470279 | £000.00 |
|                                                                                     | 15x475   | 40   | 10     | 63642548466 | £000.00 |
|                                                                                     |          | 60   | 10     | 63642548527 | £000.00 |
|                                                                                     | 13x610   | 40   | 10     | 66623394060 | £000.00 |
|                                                                                     |          | 60   | 10     | 66254469666 | £000.00 |
|                                                                                     |          | 80   | 10     | 66623399824 | £000.00 |
|                                                                                     | 20x520   | 40   | 10     | 69957380369 | £000.00 |
|                                                                                     |          | 60   | 10     | 69957377467 | £000.00 |
|                                                                                     |          | 80   | 10     | 66623385919 | £000.00 |
|                                                                                     |          | 120  | 10     | 63642513153 | £000.00 |

FERR.  
& NON FERR.



Dimensions Key: W = Width, L = Length



## R230

- Hard aluminum oxide abrasive for good product life
- Open grain distribution for reduced clogging and loading material such as wood & aluminium
- Ideal for sanding wood & grinding metal
- Good cut rate on low-pressure finishing operations with ability to leave a very good finish

|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|                                                                                   |          |      |        |             |         |
|  | 10x330   | 40   | 10     | 69957385707 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261114049 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642515415 | £000.00 |
|                                                                                   |          | 120  | 10     | 69957380686 | £000.00 |
|                                                                                   | 20x520   | 40   | 10     | 69957396131 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261034453 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261106250 | £000.00 |
|                                                                                   |          | 120  | 10     | 66623327675 | £000.00 |
|                                                                                   | 30x533   | 40   | 10     | 63642546483 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642546477 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642546478 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642546482 | £000.00 |
|                                                                                   | 34x435   | 40   | 10     | 77696076121 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642550019 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642549933 | £000.00 |

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

## MADE-TO-ORDER PRODUCT AVAILABILITY

| CAP CODE    | GRAIN / GRIT                         | 24 | 36 | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 400 |
|-------------|--------------------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Viking R996 | New SG supersize, YY/Y-polyester     | •  | •  | •  | •  | •  |     |     |     |     |     |     |     |     |     |
| SG R929     | SG, X-polyester                      |    | •  | •  | •  | •  | •   | •   |     |     |     |     |     |     |     |
| Norzon R822 | Norzon, X-cotton                     | •  | •  | •  | •  | •  | •   | •   | •   |     |     |     |     |     |     |
| Norzon R817 | Norzon, Y-polyester                  | •  | •  | •  | •  | •  | •   | •   |     |     |     |     |     |     |     |
| R445        | Silicon carbide, X/Y-polyester       |    |    |    | •  | •  | •   | •   | •   | •   | •   | •   |     |     |     |
| R293        | Blend aluminium oxide, X/Y-polyester | •  | •  | •  | •  | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   |
| R230        | Aluminium oxide, X-cotton            |    | •  | •  | •  | •  | •   | •   | •   | •   |     |     |     |     |     |

## MINIMUM ORDER QUANTITIES

FOR MADE-TO-ORDER PRODUCTS

| SIZE (mm)      | MINIMUM ORDER QUANTITY |
|----------------|------------------------|
| All file belts | 200 pieces             |



# PORTABLE BELTS FOR PORTABLE BELT MACHINES

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. Choose 36 –50 grits for rough/heavy-duty applications, 60 – 100 for intermediate, and 100 – 220 for finishing/polishing applications. The belts listed are popular stock sizes, but additional sizes, specifications, and backing materials, are available made-to-order. All Norton belts are supplied with butt joints for easy mounting and smoother work.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ○  
Suitable ○

|           | SG<br>R929 | NORZON<br>R817 | R230 |
|-----------|------------|----------------|------|
| MATERIAL  | +++++      | ++++           | +++  |
| Metal     | ●          |                | ○    |
| Hard wood |            | ●              | ○    |
| Soft wood |            | ○              | ●    |

## SG R929

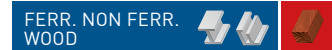
- Premium SG abrasive grain ideal for heat sensitive metals
- High content of active filler for cool cut, no burn marks on the metal part
- X-weight polyester cloth, extremely durable even in aggressive applications
- Excellent performance at low & medium pressure



|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 50x800   | 60   | 10     | 66261023832 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261023833 | £000.00 |
|                                                                                   |          | 120  | 10     | 66261023834 | £000.00 |

## NORZON R817

- Norzon grain continually exposes new cutting surfaces for long belt life even at high pressure
- Heavy polyester cloth, stiff and tear resistant for tough applications
- High-performance resin bond provides strong grain adhesion for longer belt life
- Open grain distribution prevents loading when grinding wood and soft materials like aluminium, plastic, rubber or leather



|                                                                                     | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 200x750  | 36   | 10     | 63642515116 | £000.00 |
|                                                                                     |          | 40   | 10     | 69957355996 | £000.00 |
|                                                                                     |          | 60   | 10     | 69957371516 | £000.00 |
|                                                                                     |          | 80   | 10     | 69957371517 | £000.00 |
|                                                                                     |          | 100  | 10     | 66261182174 | £000.00 |
|                                                                                     |          | 120  | 10     | 69957371513 | £000.00 |

## R230

- Hard aluminum oxide abrasive for good product life
- Open grain distribution for reduced clogging on materials such as wood & aluminium
- Multi-purpose product ideal for sanding wood & grinding metal
- Excellent cut rate on low-pressure finishing operations, imparts a good finish



|                                                                                     | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 75x457   | 40   | 10     | 63642538877 | £000.00 |
|                                                                                     |          | 60   | 10     | 63642539426 | £000.00 |
|                                                                                     |          | 80   | 10     | 63642539422 | £000.00 |
|                                                                                     |          | 120  | 10     | 63642539415 | £000.00 |
|                                                                                     | 75x533   | 40   | 10     | 63642546289 | £000.00 |
|                                                                                     |          | 60   | 10     | 63642546257 | £000.00 |
|                                                                                     |          | 80   | 10     | 63642534248 | £000.00 |
|                                                                                     |          | 100  | 10     | 63642546273 | £000.00 |
|                                                                                     |          | 120  | 10     | 63642530701 | £000.00 |

Dimensions Key: W = Width, L = Length

## PORTABLE BELTS FOR PORTABLE BELT MACHINES

|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 75x610   | 40   | 10     | 63642546472 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642546473 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642567329 | £000.00 |
|                                                                                   |          | 100  | 10     | 63642545869 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642546476 | £000.00 |
|                                                                                   | 100x610  | 40   | 10     | 63642546295 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642560145 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642529798 | £000.00 |
|                                                                                   |          | 100  | 10     | 63642546242 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642529797 | £000.00 |
|                                                                                   | 100x620  | 40   | 10     | 63642546457 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642534465 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642529799 | £000.00 |
|                                                                                   |          | 100  | 10     | 63642534770 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642546452 | £000.00 |
|                                                                                   | 100x690  | 40   | 10     | 63642537627 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642537544 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642537546 | £000.00 |
|                                                                                   |          | 100  | 10     | 63642537548 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642537632 | £000.00 |
|                                                                                   | 200x750  | 24   | 10     | 63642521182 | £000.00 |
|                                                                                   |          | 36   | 10     | 69957349006 | £000.00 |
|                                                                                   |          | 40   | 10     | 69957349007 | £000.00 |
|                                                                                   |          | 60   | 10     | 69957349010 | £000.00 |
|                                                                                   |          | 80   | 10     | 69957349014 | £000.00 |
|                                                                                   |          | 100  | 10     | 69957349394 | £000.00 |

Dimensions Key: W = Width, L = Length

## MADE-TO-ORDER PRODUCT AVAILABILITY

| CAP CODE    | GRAIN / GRIT              | 24 | 36 | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 400 |
|-------------|---------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SG R929     | SG, X-polyester           |    | •  | •  | •  | •  | •   | •   |     |     |     |     |     |     |     |
| Norzon R817 | Norzon, Y-polyester       | •  | •  | •  | •  | •  | •   | •   |     |     |     |     |     |     |     |
| R230        | Aluminium oxide, X-cotton |    | •  | •  | •  | •  | •   | •   | •   | •   |     |     |     |     |     |

## MINIMUM ORDER QUANTITIES

FOR MADE-TO-ORDER PRODUCTS

| SIZE (mm)          | MINIMUM ORDER QUANTITY |
|--------------------|------------------------|
| All portable belts | 100 pieces             |



## NARROW BELTS FOR BACKSTAND MACHINES

A broad selection of sizes and grits for most dimensioning, intermediate grinding and polishing applications. The belts listed are popular stock sizes, but additional sizes, specifications, and backing materials, are available made-to-order.

## PRODUCT AVAILABILITY

Highly recommended ●  
Recommended ○  
Suitable ○

|                                     | VIKING R996 | RED-X R976 | SG R929 | NORAX ** | H231** | BLUE FORCE R874 | NORZON R822 | W445 | R445 | R293 |
|-------------------------------------|-------------|------------|---------|----------|--------|-----------------|-------------|------|------|------|
| MATERIAL                            | +++++       | +++++      | +++++   | +++++    | +++++  | ++++            | ++++        | ++++ | +++  | +++  |
| Stainless steel, inox & duplex      | ●           | ○          | ○       | ●        |        |                 |             |      |      |      |
| Inconel, titanium & super alloys    | ●           | ○          | ○       | ●        |        |                 |             |      |      |      |
| Carbon, construction & mild steels  |             |            | ●       |          |        | ○               | ○           |      | ○    | ○    |
| Cast iron                           |             |            | ●       |          |        | ○               | ○           |      | ○    | ○    |
| Non-ferrous metal (brass/aluminium) |             |            | ●       |          |        | ○               | ○           |      | ○    | ○    |
| Hard & soft wood                    |             |            |         |          | ●      |                 |             |      |      |      |
| Stone, concrete                     |             |            |         |          |        |                 |             |      | ●    | ○    |
| Glass, plastic                      |             |            |         |          |        |                 |             | ●    | ○    |      |



## NARROW BELTS FOR BACKSTAND MACHINES

### VIKING R996 **+++++** INNOVATION

- The best choice for use on stainless steel, inconels, chromium cobalt, titanium and extremely hard materials
- The maximum performance for lowest overall grinding cost on your most difficult-to-grind materials
- Achieve maximum stock removal, reduced heat generation and no loading and glazing in heavy duty applications
- 'Supersize' layer applied to the abrasive reduces heat generation and cuts faster, even with less off hand pressure



|                                                                                   | WxL (mm) | GRIT          | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|---------------|--------|-------------|---------|
|  | 50x2000  | <b>NEW</b> 24 | 10     | 69957364731 | £000.00 |
|                                                                                   |          | 36            | 10     | 66254403822 | £000.00 |
|                                                                                   |          | 40            | 10     | 66254403847 | £000.00 |
|                                                                                   |          | 60            | 10     | 66254411262 | £000.00 |
|                                                                                   |          | 80            | 10     | 66254449025 | £000.00 |
|                                                                                   | 50x2500  | <b>NEW</b> 24 | 10     | 69957364732 | £000.00 |
|                                                                                   |          | 36            | 10     | 66261099222 | £000.00 |
|                                                                                   |          | 40            | 10     | 66254408229 | £000.00 |
|                                                                                   |          | 60            | 10     | 66254416129 | £000.00 |
|                                                                                   |          | 80            | 10     | 66254448015 | £000.00 |
|                                                                                   | 50x3500  | <b>NEW</b> 24 | 10     | 69957364733 | £000.00 |
|                                                                                   |          | 36            | 10     | 66254404039 | £000.00 |
|                                                                                   |          | 40            | 10     | 66254404041 | £000.00 |
|                                                                                   |          | 60            | 10     | 66254436885 | £000.00 |
|                                                                                   |          | 80            | 10     | 66254456931 | £000.00 |
|                                                                                   | 50x4000  | <b>NEW</b> 24 | 10     | 69957300743 | £000.00 |
|                                                                                   |          | 36            | 10     | 66254404064 | £000.00 |
|                                                                                   |          | 40            | 10     | 66254404065 | £000.00 |
|                                                                                   |          | 60            | 10     | 66254405015 | £000.00 |
|                                                                                   |          | 80            | 10     | 66254444896 | £000.00 |
|                                                                                   | 75x2000  | <b>NEW</b> 24 | 10     | 69957364735 | £000.00 |
|                                                                                   |          | 36            | 10     | 66254410065 | £000.00 |
|                                                                                   |          | 40            | 10     | 66254407955 | £000.00 |
|                                                                                   |          | 60            | 10     | 66254407954 | £000.00 |
|                                                                                   |          | 80            | 10     | 66254456158 | £000.00 |
|                                                                                   | 75x2500  | <b>NEW</b> 24 | 10     | 69957364736 | £000.00 |
|                                                                                   |          | 36            | 10     | 66254403849 | £000.00 |
|                                                                                   |          | 40            | 10     | 66254403887 | £000.00 |
|                                                                                   |          | 60            | 10     | 66254403891 | £000.00 |
|                                                                                   |          | 80            | 10     | 66254469059 | £000.00 |

Dimensions Key: W = Width, L = Length

## NEW RED-X<sup>R976</sup>

- Patented ceramic SG grain for increased cut rate on carbon and stainless steel
- A new high performance formulation of supersize layer for excellent results on materials from stainless steel to inconel to titanium
- Higher material removal rate at low and medium pressure in fine grits
- Reduced heat generation reduces risk of burn



|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 50x2000  | 36   | 10     | 66623381099 | £000.00 |
|                                                                                   |          | 40   | 10     | 66623328023 | £000.00 |
|                                                                                   |          | 60   | 10     | 66254401458 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261108229 | £000.00 |
|                                                                                   |          | 120  | 10     | 66254408387 | £000.00 |
|                                                                                   | 50x2500  | 36   | 10     | 66254410572 | £000.00 |
|                                                                                   |          | 40   | 10     | 66261051186 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261063897 | £000.00 |
|                                                                                   |          | 80   | 10     | 66254401374 | £000.00 |
|                                                                                   |          | 120  | 10     | 66261107250 | £000.00 |
|                                                                                   | 50x3500  | 36   | 10     | 66254409222 | £000.00 |
|                                                                                   |          | 40   | 10     | 66623385396 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261071965 | £000.00 |
|                                                                                   |          | 80   | 10     | 66254436884 | £000.00 |
|                                                                                   |          | 120  | 10     | 66254411405 | £000.00 |
|                                                                                   | 50x4000  | 36   | 10     | 66261055060 | £000.00 |
|                                                                                   |          | 40   | 10     | 66261092227 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261054920 | £000.00 |
|                                                                                   |          | 80   | 10     | 66254401290 | £000.00 |
|                                                                                   |          | 120  | 10     | 66254474052 | £000.00 |
|                                                                                   | 75x2000  | 36   | 10     | 66623319745 | £000.00 |
|                                                                                   |          | 40   | 10     | 66261067686 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261060879 | £000.00 |
|                                                                                   |          | 80   | 10     | 66254403117 | £000.00 |
|                                                                                   |          | 120  | 10     | 66254404255 | £000.00 |
|                                                                                   | 75x2500  | 36   | 10     | 66261066499 | £000.00 |
|                                                                                   |          | 40   | 10     | 66254402279 | £000.00 |
|                                                                                   |          | 60   | 10     | 66254433345 | £000.00 |
|                                                                                   |          | 80   | 10     | 66254407537 | £000.00 |
|                                                                                   |          | 120  | 10     | 66254407535 | £000.00 |

## NARROW BELTS FOR BACKSTAND MACHINES

### SG R929

- Premium SG abrasive ideal for heat sensitive metals as the SG grain reduces heat generation
- High content of active filler for cool cut, no burn marks on the metal part
- X-weight polyester cloth, extremely durable even on aggressive applications
- Excellent performance at low & medium pressure

FERR.  
& NON FERR. 

|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 50x1600  | 40   | 10     | 66261023879 | £000.00 |
|                                                                                   |          | 50   | 10     | 66261023880 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261023881 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261023882 | £000.00 |
|                                                                                   | 50x2000  | 36   | 10     | 69957350787 | £000.00 |
|                                                                                   |          | 40   | 10     | 69957350790 | £000.00 |
|                                                                                   |          | 50   | 10     | 69957350792 | £000.00 |
|                                                                                   |          | 60   | 10     | 69957350793 | £000.00 |
|                                                                                   |          | 80   | 10     | 69957350794 | £000.00 |
|                                                                                   |          | 120  | 10     | 69957350795 | £000.00 |
|                                                                                   | 75x2000  | 36   | 10     | 69957350796 | £000.00 |
|                                                                                   |          | 40   | 10     | 69957350797 | £000.00 |
|                                                                                   |          | 50   | 10     | 69957350798 | £000.00 |
|                                                                                   |          | 60   | 10     | 69957350799 | £000.00 |
|                                                                                   |          | 80   | 10     | 69957350800 | £000.00 |
|                                                                                   |          | 100  | 10     | 66261024222 | £000.00 |
|                                                                                   |          | 120  | 10     | 69957350801 | £000.00 |
|                                                                                   | 75x2500  | 36   | 10     | 69957350882 | £000.00 |
|                                                                                   |          | 40   | 10     | 69957350883 | £000.00 |
|                                                                                   |          | 50   | 10     | 69957350884 | £000.00 |
|                                                                                   |          | 60   | 10     | 69957350888 | £000.00 |
|                                                                                   |          | 80   | 10     | 69957350898 | £000.00 |
|                                                                                   |          | 120  | 10     | 66261023977 | £000.00 |
|                                                                                   | 100x1000 | 40   | 10     | 69957350903 | £000.00 |
|                                                                                   |          | 50   | 10     | 69957350905 | £000.00 |
|                                                                                   |          | 60   | 10     | 69957350906 | £000.00 |
|                                                                                   | 100x2000 | 36   | 10     | 69957350802 | £000.00 |
|                                                                                   |          | 40   | 10     | 69957350804 | £000.00 |
|                                                                                   |          | 60   | 10     | 69957350805 | £000.00 |
|                                                                                   |          | 80   | 10     | 69957350806 | £000.00 |
|                                                                                   |          | 120  | 10     | 69957350807 | £000.00 |
|                                                                                   | 150x2000 | 36   | 10     | 69957350809 | £000.00 |
|                                                                                   |          | 40   | 10     | 69957350812 | £000.00 |
|                                                                                   |          | 60   | 10     | 69957350813 | £000.00 |
|                                                                                   |          | 80   | 10     | 69957350815 | £000.00 |
|                                                                                   | 150x2500 | 40   | 10     | 66261023984 | £000.00 |
|                                                                                   |          | 60   | 10     | 66261023992 | £000.00 |
|                                                                                   |          | 80   | 10     | 66261023993 | £000.00 |

## NEW NORZON R874

- Optimized grain coverage for maximum efficiency
- Needle shape grain with engineered micro fracturing for aggressive cutting action
- High stock removal and long life
- YY-weight polyester cloth for medium and high pressure

FERR.  
& NON FERR. 

|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 50x2000  | 24   | 10     | 66623342805 | £000.00 |
|                                                                                   |          | 36   | 10     | 66623381098 | £000.00 |
|                                                                                   |          | 40   | 10     | 66623337486 | £000.00 |
|                                                                                   |          | 60   | 10     | 66623312376 | £000.00 |
|                                                                                   |          | 80   | 10     | 66623337488 | £000.00 |
|                                                                                   |          | 120  | 10     | 66623312377 | £000.00 |
|                                                                                   | 75x2000  | 24   | 10     | 66623301373 | £000.00 |
|                                                                                   |          | 36   | 10     | 66623314617 | £000.00 |
|                                                                                   |          | 40   | 10     | 66623307514 | £000.00 |
|                                                                                   |          | 60   | 10     | 66623307515 | £000.00 |
|                                                                                   |          | 80   | 10     | 66623307023 | £000.00 |
|                                                                                   |          | 120  | 10     | 66623307958 | £000.00 |
|                                                                                   | 75x2500  | 36   | 10     | 66623327524 | £000.00 |
|                                                                                   |          | 40   | 10     | 66623302265 | £000.00 |
|                                                                                   |          | 60   | 10     | 66623303466 | £000.00 |
|                                                                                   |          | 80   | 10     | 66623328229 | £000.00 |
|                                                                                   |          | 120  | 10     | 66623304426 | £000.00 |

## NARROW BELTS FOR BACKSTAND MACHINES

### NORZON R822

- High-performance, self-sharpening zirconia alumina abrasive for excellent cut rate and product life
- Extremely durable for demanding applications
- X-weight cotton backing for moderate to light pressure applications

FERR.  
& NON FERR. 

|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 50x2000  | 36   | 10     | 63642546222 | £000.00 |
|                                                                                   |          | 40   | 10     | 63642547270 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642546210 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642546212 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642516010 | £000.00 |
|                                                                                   | 75x2000  | 24   | 10     | 63642539088 | £000.00 |
|                                                                                   |          | 36   | 10     | 63642539386 | £000.00 |
|                                                                                   |          | 40   | 10     | 63642539388 | £000.00 |
|                                                                                   |          | 50   | 10     | 63642538998 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642539389 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642538999 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642539002 | £000.00 |
|                                                                                   | 75x2500  | 36   | 10     | 63642546092 | £000.00 |
|                                                                                   |          | 40   | 10     | 63642546094 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642546097 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642546099 | £000.00 |
|                                                                                   | 100x920  | 36   | 10     | 63642546226 | £000.00 |
|                                                                                   |          | 40   | 10     | 63642539330 | £000.00 |
|                                                                                   |          | 50   | 10     | 63642539328 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642546216 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642546214 | £000.00 |
|                                                                                   |          | 100  | 10     | 63642539383 | £000.00 |
|                                                                                   | 100x1000 | 40   | 10     | 63642547284 | £000.00 |
|                                                                                   |          | 50   | 10     | 63642538971 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642538973 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642538975 | £000.00 |
|                                                                                   |          | 100  | 10     | 63642538977 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642536388 | £000.00 |
|                                                                                   | 120x2000 | 36   | 10     | 63642539008 | £000.00 |
|                                                                                   |          | 40   | 10     | 63642539010 | £000.00 |
|                                                                                   |          | 60   | 10     | 63642539014 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642539016 | £000.00 |

Dimensions Key: W = Width, L = Length



## W445

- Special cork grain for polishing glass and final finishing of glass edges
- Can be used wet or dry
- Long life with uniform polishing effect



GLASS 

| WxL (mm) | GRIT              | PK QTY | ART NO.     | PRICE   |
|----------|-------------------|--------|-------------|---------|
| 100x2000 | No abrasive grain | 10     | 63642580818 | £000.00 |
| 100x3350 | No abrasive grain | 10     | 63642545206 | £000.00 |
| 140x3300 | No abrasive grain | 10     | 66254415118 | £000.00 |

## R293

- General purpose aluminium oxide belt with good price / performance ratio
- Resin bond system provides good grain retention and life versus key competitors
- For high initial cut on non-ferrous and soft-loading materials such as glass, titanium, masonry, composites, plastic and rubber
- With active filler for improved life on metal applications



FERR. NON  
FERR. WOOD 

| WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|----------|------|--------|-------------|---------|
| 50x2000  | 36   | 10     | 63642546943 | £000.00 |
|          | 40   | 10     | 63642551489 | £000.00 |
|          | 60   | 10     | 63642546878 | £000.00 |
| 50x4000  | 36   | 10     | 63642539981 | £000.00 |
|          | 40   | 10     | 63642539982 | £000.00 |
|          | 60   | 10     | 63642539985 | £000.00 |
|          | 80   | 10     | 63642539986 | £000.00 |
| 75x2000  | 36   | 10     | 63642547942 | £000.00 |
|          | 40   | 10     | 63642564728 | £000.00 |
|          | 60   | 10     | 63642548528 | £000.00 |
|          | 80   | 10     | 63642548275 | £000.00 |
| 75x2500  | 36   | 10     | 63642546130 | £000.00 |
|          | 40   | 10     | 63642546874 | £000.00 |
|          | 60   | 10     | 63642551507 | £000.00 |
| 100x920  | 40   | 10     | 63642548306 | £000.00 |
|          | 60   | 10     | 63642548307 | £000.00 |
|          | 80   | 10     | 63642551544 | £000.00 |
|          | 100  | 10     | 63642551546 | £000.00 |
|          | 120  | 10     | 63642551547 | £000.00 |
| 100x3000 | 180  | 10     | 63642551549 | £000.00 |
|          | 40   | 10     | 63642551511 | £000.00 |
|          | 60   | 10     | 63642548447 | £000.00 |

Dimensions Key: W = Width, L = Length

## NARROW BELTS FOR BACKSTAND MACHINES

### R445

- Hard and sharp silicon carbide grain
- Can be used for dry or wet applications due to polyester backing
- Ideal for use in medium duty applications
- For high initial cut on non-ferrous and soft-loading materials such as glass, titanium, masonry, composites, plastic and rubber

NON FERR.  
STONE, GLASS



|                                                                                   | WxL (mm) | GRIT | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|------|--------|-------------|---------|
|  | 100x2000 | 60   | 10     | 69957355675 | £000.00 |
|                                                                                   |          | 80   | 10     | 69957355677 | £000.00 |
|                                                                                   |          | 120  | 10     | 69957355681 | £000.00 |
|                                                                                   | 100x3350 | 60   | 10     | 63642546593 | £000.00 |
|                                                                                   |          | 80   | 10     | 63642546594 | £000.00 |
|                                                                                   |          | 100  | 10     | 63642530703 | £000.00 |
|                                                                                   |          | 120  | 10     | 63642546597 | £000.00 |
|                                                                                   |          | 150  | 10     | 63642546599 | £000.00 |
|                                                                                   |          | 180  | 10     | 63642546600 | £000.00 |
|                                                                                   |          | 220  | 10     | 63642546602 | £000.00 |
|                                                                                   |          | 240  | 10     | 63642546603 | £000.00 |
|                                                                                   |          | 400  | 10     | 63642546616 | £000.00 |

## MADE-TO-ORDER PRODUCT AVAILABILITY

| CAP CODE          | GRAIN / GRIT                         | 24 | 36 | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 400 |
|-------------------|--------------------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Viking R996       | New SG supersize, YY/Y-polyester     | •  | •  | •  | •  | •  |     |     |     |     |     |     |     |     |     |
| RED-X R976        | SG supersize, X-polyester            |    | •  | •  | •  | •  | •   | •   |     |     |     |     |     |     |     |
| SG R929           | SG, X-polyester                      |    | •  | •  | •  | •  | •   | •   |     |     |     |     |     |     |     |
| Norax *           | Special multi-layer abrasive         |    |    |    |    |    |     |     |     |     |     |     |     |     |     |
| H231*             | Aluminium oxide, F-paper             |    | •  | •  | •  | •  | •   | •   | •   |     | •   | •   | •   | •   | •   |
| R874              | NZ, YY-polyester                     | •  | •  | •  | •  | •  | •   | •   |     |     |     |     |     |     |     |
| Norzon R822       | Norzon, X-cotton                     | •  | •  | •  | •  | •  | •   | •   | •   |     |     |     |     |     |     |
| Blue Force R872 * | New NZ, Y/X-polyester                | •  | •  | •  | •  | •  | •   | •   | •   |     | •   |     |     |     |     |
| W445              | SiC/cork, X-cotton                   |    |    |    |    |    |     |     |     |     |     |     |     |     |     |
| R445              | Silicon carbide, X/Y-polyester       |    |    |    | •  | •  | •   | •   | •   |     | •   |     |     |     |     |
| R293              | Blend aluminium oxide, X/Y-polyester | •  | •  | •  | •  | •  | •   | •   | •   |     | •   | •   | •   | •   | •   |

## MINIMUM ORDER QUANTITIES FOR MADE-TO-ORDER PRODUCTS

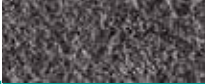
| SIZE (mm)      | LENGTH (mm) 750 - 1999mm | LENGTH (mm) > 2000mm |
|----------------|--------------------------|----------------------|
| Up to 50mm     | 40 pieces                | 40 pieces            |
| 51 up to 100mm | 30 pieces                | 30 pieces            |
| Over 101mm     | 20 pieces                | 10 pieces            |



## RAPID PREP BELTS

Norton non-woven belts are a combination of strong synthetic mesh and quality abrasive, bonded together by a smear-resistant adhesive. The open construction of non-woven material enables aggressive cutting action and improved surface finish while maintaining its non-loading feature. Ideal product to provide a great finish or remove burrs without gouging or undercutting the work piece.

## PRODUCT SELECTION GUIDE

|                 |  |  |  |  |  |
|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                 | EXTRA COARSE                                                                        | COARSE                                                                              | MEDIUM                                                                              | FINE                                                                                 | VERY FINE                                                                             |
| Scale removal   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| Stock removal   |                                                                                     | ●                                                                                   |                                                                                     |                                                                                      |                                                                                       |
| Heavy deburring |                                                                                     | ●                                                                                   |                                                                                     |                                                                                      |                                                                                       |
| Light deburring |                                                                                     |                                                                                     | ●                                                                                   |                                                                                      |                                                                                       |
| Light finishing |                                                                                     |                                                                                     | ●                                                                                   |                                                                                      |                                                                                       |
| Blending        |                                                                                     |                                                                                     |                                                                                     | ●                                                                                    |                                                                                       |
| Finishing       |                                                                                     |                                                                                     |                                                                                     |                                                                                      | ●                                                                                     |

## PRODUCT OVERVIEW

### APPLICATIONS

- Removing surface defects
- Light edge burrs
- Parting lines, flashing
- Rust, oxides & corrosion
- Paints and scale
- Blending mill marks
- Tool marks
- Uneven edges
- Applying decorative finishes

### MACHINE USED

- File belt sander
- Portable sander
- Backstand machine

### ABRASIVE GRAIN

- Vortex engineered aluminum oxide
- Aluminium oxide

### GRIT RANGE

- Extra coarse
- Coarse
- Medium
- Fine
- Very fine

## RAPID PREP BELT MATERIAL AVAILABLE IN TWO SPECIFICATIONS:

### XF

Offers good flexibility for file belt applications



### RF

Reinforced low-stretch backing for large narrow belt applications



## AND IN TWO GRAIN TYPES

### VORTEX RAPID PREP A/O



Better choice for finishing and blending applications



### RAPID PREP A/O



Good choice for finishing and blending applications



- Vortex engineered grain technology combines the cutting speed of coarse grits with the finish of fine grits
- Durable product for blending, finishing, cleaning, and light deburring
- Most consistent cutting and finishing surface conditioning products on the market
- Clean Bond technology - smear free, does not load on aluminium or soft metals
- Achieve a burr-free, paintable finish in fewer steps without damaging the base material
- Friable grain structure keeps Ra specs throughout belt life and reduces scrap & rework

- General purpose product for blending, finishing, cleaning, and light deburring
- Achieve a burr-free, paintable finish in fewer steps without damaging the base material

# RAPID PREP A/O XF SURFACE BLENDING FILE BELTS



| WxL (mm) | GRADE     | CAP CODE | PK QTY | ART NO.     | PRICE   |
|----------|-----------|----------|--------|-------------|---------|
| 6x457    | Coarse    | S2238    | 20     | 63642535959 | £000.00 |
|          | Medium    | S2338    | 20     | 63642535963 | £000.00 |
|          | Fine      | S2438    | 20     | 63642536140 | £000.00 |
|          | Very fine | S2538    | 20     | 66623333511 | £000.00 |
| 13x457   | Coarse    | S2238    | 20     | 63642535980 | £000.00 |
|          | Medium    | S2338    | 20     | 63642536113 | £000.00 |
|          | Fine      | S2438    | 20     | 63642536141 | £000.00 |
|          | Very fine | S2538    | 20     | 66261055311 | £000.00 |
| 19x457   | Coarse    | S2238    | 20     | 63642536114 | £000.00 |
|          | Medium    | S2338    | 20     | 63642536116 | £000.00 |
|          | Fine      | S2438    | 20     | 63642536142 | £000.00 |
|          | Very fine | S2538    | 20     | 66261003622 | £000.00 |
| 6x610    | Coarse    | S2238    | 20     | 63642536118 | £000.00 |
|          | Medium    | S2338    | 20     | 63642536121 | £000.00 |
|          | Fine      | S2438    | 20     | 63642536144 | £000.00 |
|          | Very fine | S2538    | 20     | 66623333512 | £000.00 |
| 13x610   | Coarse    | S2238    | 20     | 63642536122 | £000.00 |
|          | Medium    | S2338    | 20     | 63642536129 | £000.00 |
|          | Fine      | S2438    | 20     | 63642536145 | £000.00 |
|          | Very fine | S2538    | 20     | 66261019876 | £000.00 |
| 13x305   | Coarse    | S2238    | 20     | 63642536134 | £000.00 |
|          | Medium    | S2338    | 20     | 63642536137 | £000.00 |
|          | Fine      | S2438    | 20     | 63642536164 | £000.00 |
|          | Very fine | S2538    | 20     | 66254499884 | £000.00 |

Dimensions Key: W = Width, L = Length



## RAPID PREP A/O RF SURFACE BLENDING NARROW BELTS



|                                                                                   | WxL (mm) | GRADE     | CAP CODE | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|-----------|----------|--------|-------------|---------|
|  | 50x2000  | Coarse    | S2228    | 5      | 63642531724 | £000.00 |
|                                                                                   |          | Medium    | S2328    | 5      | 63642531726 | £000.00 |
|                                                                                   |          | Fine      | S2428    | 5      | 63642531732 | £000.00 |
|                                                                                   |          | Very fine | S2528    | 5      | 63642531733 | £000.00 |
|                                                                                   | 75x2000  | Coarse    | S2228    | 5      | 63642531735 | £000.00 |
|                                                                                   |          | Medium    | S2328    | 5      | 63642531741 | £000.00 |
|                                                                                   |          | Fine      | S2428    | 5      | 63642531743 | £000.00 |
|                                                                                   |          | Very fine | S2528    | 5      | 63642531751 | £000.00 |
|                                                                                   | 100x3500 | Coarse    | S2228    | 5      | 63642531760 | £000.00 |
|                                                                                   |          | Medium    | S2328    | 5      | 63642531761 | £000.00 |
|                                                                                   |          | Fine      | S2428    | 5      | 63642531764 | £000.00 |
|                                                                                   |          | Very fine | S2528    | 5      | 63642531784 | £000.00 |
|                                                                                   | 150x2000 | Coarse    | S2228    | 5      | 63642531787 | £000.00 |
|                                                                                   |          | Medium    | S2328    | 5      | 63642531813 | £000.00 |
|                                                                                   |          | Fine      | S2428    | 5      | 63642531816 | £000.00 |
|                                                                                   |          | Very fine | S2528    | 5      | 63642531819 | £000.00 |

Dimensions Key: W = Width, L = Length

More sizes available on a Made-to-order

## VORTEX RAPID PREP RF SURFACE BLENDING NARROW BELTS

MADE-TO-ORDER



|                                                                                     | WxL (mm)           | GRADE        | CAP CODE | INFORMATION                           |
|-------------------------------------------------------------------------------------|--------------------|--------------|----------|---------------------------------------|
|  | Various belt sizes | Extra Coarse | S2123    | More information available on request |
|                                                                                     |                    | Coarse       | S2223    |                                       |
|                                                                                     |                    | Medium       | S2323    |                                       |
|                                                                                     |                    | Fine         | S2423    |                                       |
|                                                                                     |                    | Very fine    | S2523    |                                       |



| GRIT     | CAP CODE | PK QTY | ART NO.     | PRICE   |       |
|----------|----------|--------|-------------|---------|-------|
| 6x457mm  |          |        |             |         |       |
| 40       | R929     | 10     | 66261123531 | £000.00 | +++++ |
| 60       | R929     | 10     | 66261123532 | £000.00 | +++++ |
| 80       | R929     | 10     | 66261123533 | £000.00 | +++++ |
| 120      | R929     | 10     | 66261123535 | £000.00 | +++++ |
| 6x520mm  |          |        |             |         |       |
| 40       | R929     | 10     | 66261123543 | £000.00 | +++++ |
| 60       | R929     | 10     | 66261123545 | £000.00 | +++++ |
| 80       | R929     | 10     | 66261123546 | £000.00 | +++++ |
| 120      | R929     | 10     | 66261123547 | £000.00 | +++++ |
| 9x533mm  |          |        |             |         |       |
| 40       | R996     | 10     | 66261128510 | £000.00 | +++++ |
|          | R929     | 10     | 66261123552 | £000.00 | +++++ |
|          | R293     | 10     | 66254470284 | £000.00 | +++   |
| 60       | R996     | 10     | 66261128511 | £000.00 | +++++ |
|          | R929     | 10     | 66261123553 | £000.00 | +++++ |
|          | R293     | 10     | 63642508840 | £000.00 | +++   |
| 80       | R996     | 10     | 66261128512 | £000.00 | +++++ |
|          | R929     | 10     | 66261123554 | £000.00 | +++++ |
|          | R293     | 10     | 66254470277 | £000.00 | +++   |
| 120      | R929     | 10     | 66261123555 | £000.00 | +++++ |
|          | R293     | 10     | 66254470279 | £000.00 | +++   |
| 10x330mm |          |        |             |         |       |
| 40       | R929     | 10     | 66623303110 | £000.00 | +++++ |
|          | R822     | 10     | 66261144347 | £000.00 | +++++ |
|          | R230     | 10     | 69957385707 | £000.00 | +++   |
| 60       | R929     | 10     | 66261144369 | £000.00 | +++++ |
|          | R822     | 10     | 66261144348 | £000.00 | +++++ |
|          | R230     | 10     | 66261114049 | £000.00 | +++   |
| 80       | R929     | 10     | 66623303270 | £000.00 | +++++ |
|          | R822     | 10     | 66261144349 | £000.00 | +++++ |
|          | R230     | 10     | 63642515415 | £000.00 | +++   |
| 120      | R929     | 10     | 66623303271 | £000.00 | +++++ |
|          | R822     | 10     | 66261144350 | £000.00 | +++++ |
|          | R230     | 10     | 69957380686 | £000.00 | +++   |
| 13x305mm |          |        |             |         |       |
| 40       | R929     | 10     | 66261194353 | £000.00 | +++++ |
|          | R822     | 10     | 66261194351 | £000.00 | +++++ |
| 60       | R929     | 10     | 66261023616 | £000.00 | +++++ |
|          | R822     | 10     | 63642552143 | £000.00 | +++++ |
| 80       | R929     | 10     | 66261023617 | £000.00 | +++++ |
|          | R822     | 10     | 63642524376 | £000.00 | +++++ |
| 120      | R929     | 10     | 66261023618 | £000.00 | +++++ |
|          | R822     | 10     | 69957308462 | £000.00 | +++++ |
| 13x457mm |          |        |             |         |       |
| 40       | R996     | 10     | 66261128495 | £000.00 | +++++ |
|          | R929     | 10     | 66261123522 | £000.00 | +++++ |
|          | R822     | 10     | 66261141253 | £000.00 | +++++ |
| 60       | R996     | 10     | 66261128498 | £000.00 | +++++ |
|          | R929     | 10     | 66261123523 | £000.00 | +++++ |
|          | R822     | 10     | 66261141254 | £000.00 | +++++ |
| 80       | R996     | 10     | 66261128499 | £000.00 | +++++ |
|          | R929     | 10     | 66261123524 | £000.00 | +++++ |
|          | R822     | 10     | 66261141255 | £000.00 | +++++ |
| 120      | R929     | 10     | 66261123525 | £000.00 | +++++ |
|          | R822     | 10     | 66261141256 | £000.00 | +++++ |
| 13x610mm |          |        |             |         |       |
| 40       | R929     | 10     | 66261123636 | £000.00 | +++++ |
|          | R822     | 10     | 66261141257 | £000.00 | +++++ |
|          | R293     | 10     | 66623394060 | £000.00 | +++   |

| GRIT               | CAP CODE | PK QTY | ART NO.     | PRICE   |       |
|--------------------|----------|--------|-------------|---------|-------|
| 13x610mm continued |          |        |             |         |       |
| 60                 | R929     | 10     | 66261123638 | £000.00 | +++++ |
|                    | R822     | 10     | 63642539830 | £000.00 | +++++ |
|                    | R293     | 10     | 66254469666 | £000.00 | +++   |
| 80                 | R929     | 10     | 66261123639 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141260 | £000.00 | +++++ |
|                    | R293     | 10     | 66623399824 | £000.00 | +++   |
| 120                | R929     | 10     | 66261123640 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141261 | £000.00 | +++++ |
| 15x475mm           |          |        |             |         |       |
| 40                 | R996     | 10     | 66261128521 | £000.00 | +++++ |
|                    | R929     | 10     | 66261123646 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141262 | £000.00 | +++++ |
|                    | R293     | 10     | 63642548466 | £000.00 | +++   |
| 60                 | R996     | 10     | 66261128522 | £000.00 | +++++ |
|                    | R929     | 10     | 66261123647 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141263 | £000.00 | +++++ |
|                    | R445     | 50     | 63642547214 | £000.00 | +++   |
| 80                 | R293     | 10     | 63642548527 | £000.00 | +++   |
|                    | R996     | 10     | 66261128523 | £000.00 | +++++ |
|                    | R929     | 10     | 66261123648 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141264 | £000.00 | +++++ |
| 120                | R445     | 50     | 63642539677 | £000.00 | +++   |
|                    | R929     | 10     | 66261123649 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141265 | £000.00 | +++++ |
|                    | R445     | 50     | 63642539678 | £000.00 | +++   |
| 19x457mm           |          |        |             |         |       |
| 40                 | R996     | 10     | 66254480433 | £000.00 | +++++ |
|                    | R929     | 10     | 66254487679 | £000.00 | +++++ |
|                    | R822     | 10     | 66623330766 | £000.00 | +++++ |
| 60                 | R996     | 10     | 66254408250 | £000.00 | +++++ |
|                    | R929     | 10     | 66254480427 | £000.00 | +++++ |
|                    | R822     | 10     | 63642539828 | £000.00 | +++++ |
| 80                 | R996     | 10     | 66254471640 | £000.00 | +++++ |
|                    | R929     | 10     | 66254481839 | £000.00 | +++++ |
|                    | R822     | 10     | 63642539836 | £000.00 | +++++ |
| 120                | R929     | 10     | 66254481840 | £000.00 | +++++ |
|                    | R822     | 10     | 63642539843 | £000.00 | +++++ |
| 20x520mm           |          |        |             |         |       |
| 40                 | R929     | 10     | 66623303272 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141266 | £000.00 | +++++ |
|                    | R293     | 10     | 69957380369 | £000.00 | +++   |
|                    | R230     | 10     | 69957396131 | £000.00 | +++   |
| 60                 | R929     | 10     | 66261029755 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141267 | £000.00 | +++++ |
|                    | R445     | 50     | 66254425393 | £000.00 | +++   |
|                    | R293     | 10     | 69957377467 | £000.00 | +++   |
| 80                 | R230     | 10     | 66261034453 | £000.00 | +++   |
|                    | R929     | 10     | 66623303275 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141269 | £000.00 | +++++ |
|                    | R445     | 50     | 63642567304 | £000.00 | +++   |
| 120                | R293     | 10     | 66623385919 | £000.00 | +++   |
|                    | R230     | 10     | 66261106250 | £000.00 | +++   |
|                    | R929     | 10     | 66623303276 | £000.00 | +++++ |
|                    | R822     | 10     | 66261141270 | £000.00 | +++++ |
|                    | R445     | 50     | 63642547790 | £000.00 | +++   |
|                    | R293     | 10     | 63642513153 | £000.00 | +++   |
|                    | R230     | 10     | 66623327675 | £000.00 | +++   |

## BELTS BY DIMENSION

| GRIT      | CAP CODE | PK QTY | ART NO.     | PRICE   |       |
|-----------|----------|--------|-------------|---------|-------|
| 30x533mm  |          |        |             |         |       |
| 24        | R817     | 50     | 69957383624 | £000.00 | ++++  |
| 36        | R817     | 50     | 63642571575 | £000.00 | ++++  |
| 40        | R822     | 10     | 63642538962 | £000.00 | ++++  |
|           | R817     | 50     | 63642556322 | £000.00 | ++++  |
|           | R230     | 10     | 63642546483 | £000.00 | +++   |
| 60        | R822     | 10     | 63642538963 | £000.00 | ++++  |
|           | R445     | 50     | 63642519009 | £000.00 | +++   |
|           | R230     | 10     | 63642546477 | £000.00 | +++   |
| 80        | R822     | 10     | 63642538964 | £000.00 | ++++  |
|           | R445     | 50     | 69957379493 | £000.00 | +++   |
|           | R230     | 10     | 63642546478 | £000.00 | +++   |
| 120       | R445     | 50     | 69957371884 | £000.00 | +++   |
|           | R230     | 10     | 63642546482 | £000.00 | +++   |
| 34x435mm  |          |        |             |         |       |
| 24        | R817     | 50     | 63642545273 | £000.00 | ++++  |
| 36        | R817     | 50     | 63642568989 | £000.00 | ++++  |
| 40        | R817     | 50     | 63642549470 | £000.00 | ++++  |
|           | R230     | 10     | 77696076121 | £000.00 | +++   |
| 60        | R230     | 10     | 63642550019 | £000.00 | +++   |
| 80        | R230     | 10     | 63642549933 | £000.00 | +++   |
| 35x440mm  |          |        |             |         |       |
| 40        | R822     | 10     | 77696087694 | £000.00 | ++++  |
| 60        | R822     | 10     | 66261032676 | £000.00 | ++++  |
| 80        | R822     | 10     | 63642510293 | £000.00 | ++++  |
| 120       | R822     | 10     | 77696087695 | £000.00 | ++++  |
| 50x800mm  |          |        |             |         |       |
| 60        | R929     | 10     | 66261023832 | £000.00 | +++++ |
| 80        | R929     | 10     | 66261023833 | £000.00 | +++++ |
| 120       | R929     | 10     | 66261023834 | £000.00 | +++++ |
| 75x457mm  |          |        |             |         |       |
| 40        | R230     | 10     | 63642538877 | £000.00 | +++   |
| 60        | R230     | 10     | 63642539426 | £000.00 | +++   |
| 80        | R230     | 10     | 63642539422 | £000.00 | +++   |
| 120       | R230     | 10     | 63642539415 | £000.00 | +++   |
| 75x533mm  |          |        |             |         |       |
| 40        | R230     | 10     | 63642546289 | £000.00 | +++   |
| 60        | R230     | 10     | 63642546257 | £000.00 | +++   |
| 80        | R230     | 10     | 63642534248 | £000.00 | +++   |
| 100       | R230     | 10     | 63642546273 | £000.00 | +++   |
| 120       | R230     | 10     | 63642530701 | £000.00 | +++   |
| 75x610mm  |          |        |             |         |       |
| 40        | R230     | 10     | 63642546472 | £000.00 | +++   |
| 60        | R230     | 10     | 63642546473 | £000.00 | +++   |
| 80        | R230     | 10     | 63642567329 | £000.00 | +++   |
| 100       | R230     | 10     | 63642545869 | £000.00 | +++   |
| 120       | R230     | 10     | 63642546476 | £000.00 | +++   |
| 100x610mm |          |        |             |         |       |
| 40        | R230     | 10     | 63642546295 | £000.00 | +++   |
| 60        | R230     | 10     | 63642560145 | £000.00 | +++   |
| 80        | R230     | 10     | 63642529798 | £000.00 | +++   |
| 100       | R230     | 10     | 63642546242 | £000.00 | +++   |
| 120       | R230     | 10     | 63642529797 | £000.00 | +++   |
| 100x620mm |          |        |             |         |       |
| 40        | R230     | 10     | 63642546457 | £000.00 | +++   |
| 60        | R230     | 10     | 63642534465 | £000.00 | +++   |
| 80        | R230     | 10     | 63642529799 | £000.00 | +++   |
| 100       | R230     | 10     | 63642534770 | £000.00 | +++   |
| 120       | R230     | 10     | 63642546452 | £000.00 | +++   |

| GRIT      | CAP CODE | PK QTY | ART NO.     | PRICE   |       |
|-----------|----------|--------|-------------|---------|-------|
| 100x690mm |          |        |             |         |       |
| 40        | R230     | 10     | 63642537627 | £000.00 | +++   |
| 60        | R230     | 10     | 63642537544 | £000.00 | +++   |
| 80        | R230     | 10     | 63642537546 | £000.00 | +++   |
| 100       | R230     | 10     | 63642537548 | £000.00 | +++   |
| 120       | R230     | 10     | 63642537632 | £000.00 | +++   |
| 200x750mm |          |        |             |         |       |
| 24        | R230     | 10     | 63642521182 | £000.00 | +++   |
| 36        | R817     | 10     | 63642515116 | £000.00 | ++++  |
|           | R230     | 10     | 69957349006 | £000.00 | +++   |
| 40        | R817     | 10     | 69957355996 | £000.00 | ++++  |
|           | R230     | 10     | 69957349007 | £000.00 | +++   |
| 60        | R817     | 10     | 69957371516 | £000.00 | ++++  |
|           | R230     | 10     | 69957349010 | £000.00 | +++   |
| 80        | R817     | 10     | 69957371517 | £000.00 | ++++  |
|           | R230     | 10     | 69957349014 | £000.00 | +++   |
| 100       | R817     | 10     | 66261182174 | £000.00 | ++++  |
|           | R230     | 10     | 69957349394 | £000.00 | +++   |
| 120       | R817     | 10     | 69957371513 | £000.00 | ++++  |
| 50x1600mm |          |        |             |         |       |
| 40        | R929     | 10     | 66261023879 | £000.00 | +++++ |
| 50        | R929     | 10     | 66261023880 | £000.00 | +++++ |
| 60        | R929     | 10     | 66261023881 | £000.00 | +++++ |
| 80        | R929     | 10     | 66261023882 | £000.00 | +++++ |
| 50x2000mm |          |        |             |         |       |
| 24        | R996     | 10     | 69957364731 | £000.00 | +++++ |
|           | R874     | 10     | 66623342805 | £000.00 | +++++ |
| 36        | R996     | 10     | 66254403822 | £000.00 | +++++ |
|           | R929     | 10     | 69957350787 | £000.00 | +++++ |
|           | R976     | 10     | 66623381099 | £000.00 | +++++ |
|           | R822     | 10     | 63642546222 | £000.00 | ++++  |
|           | R293     | 10     | 63642546943 | £000.00 | +++   |
| 40        | R996     | 10     | 66254403847 | £000.00 | +++++ |
|           | R976     | 10     | 66623328023 | £000.00 | +++++ |
|           | R929     | 10     | 69957350790 | £000.00 | +++++ |
|           | R874     | 10     | 66623337486 | £000.00 | ++++  |
|           | R822     | 10     | 63642547270 | £000.00 | ++++  |
| 60        | R293     | 10     | 63642551489 | £000.00 | +++   |
|           | R929     | 10     | 69957350792 | £000.00 | +++++ |
|           | R996     | 10     | 66254411262 | £000.00 | +++++ |
|           | R976     | 10     | 66254401458 | £000.00 | +++++ |
|           | R929     | 10     | 69957350793 | £000.00 | +++++ |
| 80        | R874     | 10     | 66623312376 | £000.00 | ++++  |
|           | R822     | 10     | 63642546210 | £000.00 | ++++  |
|           | R293     | 10     | 63642546878 | £000.00 | +++   |
|           | R996     | 10     | 66254449025 | £000.00 | +++++ |
|           | R976     | 10     | 66261108229 | £000.00 | +++++ |
| 120       | R929     | 10     | 69957350794 | £000.00 | +++++ |
|           | R874     | 10     | 66623337488 | £000.00 | ++++  |
|           | R822     | 10     | 63642546212 | £000.00 | ++++  |
|           | R976     | 10     | 66254408387 | £000.00 | +++++ |
|           | R929     | 10     | 69957350795 | £000.00 | +++++ |
| 50x2500mm | R874     | 10     | 66623312377 | £000.00 | ++++  |
|           | R822     | 10     | 63642516010 | £000.00 | ++++  |
| 50x2500mm |          |        |             |         |       |
| 24        | R996     | 10     | 69957364732 | £000.00 | +++++ |
| 36        | R996     | 10     | 66261099222 | £000.00 | +++++ |
|           | R976     | 10     | 66254410572 | £000.00 | +++++ |

| GRIT                | CAP<br>CODE | PK<br>QTY | ART NO.     | PRICE   |       |
|---------------------|-------------|-----------|-------------|---------|-------|
| 50x2500mm continued |             |           |             |         |       |
| 40                  | R996        | 10        | 66254408229 | £000.00 | +++++ |
|                     | R976        | 10        | 66261051186 | £000.00 | +++++ |
| 60                  | R996        | 10        | 66254416129 | £000.00 | +++++ |
|                     | R976        | 10        | 66261063897 | £000.00 | +++++ |
| 80                  | R996        | 10        | 66254448015 | £000.00 | +++++ |
|                     | R976        | 10        | 66254401374 | £000.00 | +++++ |
| 120                 | R976        | 10        | 66261107250 | £000.00 | +++++ |
| 50x3500mm           |             |           |             |         |       |
| 24                  | R996        | 10        | 69957364733 | £000.00 | +++++ |
| 36                  | R996        | 10        | 66254404039 | £000.00 | +++++ |
|                     | R976        | 10        | 66254409222 | £000.00 | +++++ |
| 40                  | R996        | 10        | 66254404041 | £000.00 | +++++ |
|                     | R976        | 10        | 66623385396 | £000.00 | +++++ |
| 60                  | R996        | 10        | 66254436885 | £000.00 | +++++ |
|                     | R976        | 10        | 66261071965 | £000.00 | +++++ |
| 80                  | R996        | 10        | 66254456931 | £000.00 | +++++ |
|                     | R976        | 10        | 66254436884 | £000.00 | +++++ |
| 120                 | R976        | 10        | 66254411405 | £000.00 | +++++ |
| 50x4000mm           |             |           |             |         |       |
| 24                  | R996        | 10        | 69957300743 | £000.00 | +++++ |
| 36                  | R996        | 10        | 66254404064 | £000.00 | +++++ |
|                     | R976        | 10        | 66261055060 | £000.00 | +++++ |
|                     | R293        | 10        | 63642539981 | £000.00 | +++   |
| 40                  | R996        | 10        | 66254404065 | £000.00 | +++++ |
|                     | R976        | 10        | 66261092227 | £000.00 | +++++ |
|                     | R293        | 10        | 63642539982 | £000.00 | +++   |
| 60                  | R996        | 10        | 66254405015 | £000.00 | +++++ |
|                     | R976        | 10        | 66261054920 | £000.00 | +++++ |
|                     | R293        | 10        | 63642539985 | £000.00 | +++   |
| 80                  | R996        | 10        | 66254444896 | £000.00 | +++++ |
|                     | R976        | 10        | 66254401290 | £000.00 | +++++ |
|                     | R293        | 10        | 63642539986 | £000.00 | +++   |
| 120                 | R976        | 10        | 66254474052 | £000.00 | +++++ |
| 75x2000mm           |             |           |             |         |       |
| 24                  | R996        | 10        | 69957364735 | £000.00 | +++++ |
|                     | R874        | 10        | 66623301373 | £000.00 | +++++ |
|                     | R822        | 10        | 63642539088 | £000.00 | +++++ |
| 36                  | R996        | 10        | 66254410065 | £000.00 | +++++ |
|                     | R929        | 10        | 69957350796 | £000.00 | +++++ |
|                     | R976        | 10        | 66623319745 | £000.00 | +++++ |
|                     | R874        | 10        | 66623314617 | £000.00 | +++++ |
|                     | R822        | 10        | 63642539386 | £000.00 | +++++ |
| 40                  | R293        | 10        | 63642547942 | £000.00 | +++   |
|                     | R996        | 10        | 66254407955 | £000.00 | +++++ |
|                     | R976        | 10        | 66623301373 | £000.00 | +++++ |
|                     | R929        | 10        | 69957350797 | £000.00 | +++++ |
|                     | R874        | 10        | 66623307514 | £000.00 | +++++ |
|                     | R822        | 10        | 63642539388 | £000.00 | +++++ |
|                     | R293        | 10        | 63642564728 | £000.00 | +++   |
|                     | R929        | 10        | 69957350798 | £000.00 | +++++ |
| 50                  | R822        | 10        | 63642538998 | £000.00 | +++++ |
|                     | R996        | 10        | 66254407954 | £000.00 | +++++ |
|                     | R976        | 10        | 66261060879 | £000.00 | +++++ |
|                     | R929        | 10        | 69957350799 | £000.00 | +++++ |
|                     | R874        | 10        | 66623307515 | £000.00 | +++++ |
|                     | R822        | 10        | 63642539389 | £000.00 | +++++ |
|                     | R293        | 10        | 63642548528 | £000.00 | +++   |

| GRIT                | CAP<br>CODE | PK<br>QTY   | ART NO.     | PRICE   |       |
|---------------------|-------------|-------------|-------------|---------|-------|
| 75x2000mm continued |             |             |             |         |       |
| 80                  | R996        | 10          | 66254456158 | £000.00 | +++++ |
|                     | R976        | 10          | 66254403117 | £000.00 | +++++ |
|                     | R929        | 10          | 69957350800 | £000.00 | +++++ |
|                     | R874        | 10          | 66623307023 | £000.00 | +++++ |
|                     | R822        | 10          | 63642538999 | £000.00 | +++++ |
| R293                | 10          | 63642548275 | £000.00     | +++     |       |
| 100                 | R929        | 10          | 66261024222 | £000.00 | +++++ |
| 120                 | R976        | 10          | 66254404255 | £000.00 | +++++ |
|                     | R929        | 10          | 69957350801 | £000.00 | +++++ |
|                     | R874        | 10          | 66623307958 | £000.00 | +++++ |
|                     | R822        | 10          | 63642539002 | £000.00 | +++++ |
| 75x2500mm           |             |             |             |         |       |
| 24                  | R996        | 10          | 69957364736 | £000.00 | +++++ |
| 36                  | R996        | 10          | 66254403849 | £000.00 | +++++ |
|                     | R929        | 10          | 69957350882 | £000.00 | +++++ |
|                     | R976        | 10          | 66261066499 | £000.00 | +++++ |
|                     | R874        | 10          | 66623327524 | £000.00 | +++++ |
|                     | R822        | 10          | 63642546092 | £000.00 | +++++ |
| R293                | 10          | 63642546130 | £000.00     | +++     |       |
| 40                  | R996        | 10          | 66254403887 | £000.00 | +++++ |
|                     | R976        | 10          | 66254402279 | £000.00 | +++++ |
|                     | R929        | 10          | 69957350883 | £000.00 | +++++ |
|                     | R874        | 10          | 66623302265 | £000.00 | +++++ |
|                     | R822        | 10          | 63642546094 | £000.00 | +++++ |
| R293                | 10          | 63642546874 | £000.00     | +++     |       |
| 50                  | R929        | 10          | 69957350884 | £000.00 | +++++ |
| 60                  | R996        | 10          | 66254403891 | £000.00 | +++++ |
|                     | R976        | 10          | 66254433345 | £000.00 | +++++ |
|                     | R929        | 10          | 69957350888 | £000.00 | +++++ |
|                     | R874        | 10          | 66623303466 | £000.00 | +++++ |
|                     | R822        | 10          | 63642546097 | £000.00 | +++++ |
| R293                | 10          | 63642551507 | £000.00     | +++     |       |
| 80                  | R996        | 10          | 66254469059 | £000.00 | +++++ |
|                     | R976        | 10          | 66254407537 | £000.00 | +++++ |
|                     | R929        | 10          | 69957350898 | £000.00 | +++++ |
|                     | R874        | 10          | 66623328229 | £000.00 | +++++ |
|                     | R822        | 10          | 63642546099 | £000.00 | +++++ |
| 120                 | R976        | 10          | 66254407535 | £000.00 | +++++ |
|                     | R929        | 10          | 66261023977 | £000.00 | +++++ |
|                     | R874        | 10          | 66623304426 | £000.00 | +++++ |
| 100x920mm           |             |             |             |         |       |
| 36                  | R822        | 10          | 63642546226 | £000.00 | +++++ |
| 40                  | R822        | 10          | 63642539330 | £000.00 | +++++ |
|                     | R293        | 10          | 63642548306 | £000.00 | +++   |
| 50                  | R822        | 10          | 63642539328 | £000.00 | +++++ |
| 60                  | R822        | 10          | 63642546216 | £000.00 | +++++ |
|                     | R293        | 10          | 63642548307 | £000.00 | +++   |
| 80                  | R822        | 10          | 63642546214 | £000.00 | +++   |
|                     | R293        | 10          | 63642551544 | £000.00 | +++   |
| 100                 | R822        | 10          | 63642539383 | £000.00 | +++++ |
|                     | R293        | 10          | 63642551546 | £000.00 | +++   |
| 120                 | R293        | 10          | 63642551547 | £000.00 | +++   |
| 180                 | R293        | 10          | 63642551549 | £000.00 | +++   |

## BELTS BY DIMENSION

| GRIT              | CAP CODE | PK QTY | ART NO.     | PRICE   |       |
|-------------------|----------|--------|-------------|---------|-------|
| <b>100x1000mm</b> |          |        |             |         |       |
| 40                | R929     | 10     | 69957350903 | £000.00 | +++++ |
|                   | R822     | 10     | 63642547284 | £000.00 | +++++ |
| 50                | R929     | 10     | 69957350905 | £000.00 | +++++ |
|                   | R822     | 10     | 63642538971 | £000.00 | +++++ |
| 60                | R929     | 10     | 69957350906 | £000.00 | +++++ |
|                   | R822     | 10     | 63642538973 | £000.00 | +++++ |
| 80                | R822     | 10     | 63642538975 | £000.00 | +++++ |
| 100               | R822     | 10     | 63642538977 | £000.00 | +++++ |
| 120               | R822     | 10     | 63642536388 | £000.00 | +++++ |
| <b>100x2000mm</b> |          |        |             |         |       |
| 36                | R929     | 10     | 69957350802 | £000.00 | +++++ |
| 40                | R929     | 10     | 69957350804 | £000.00 | +++++ |
| 60                | R929     | 10     | 69957350805 | £000.00 | +++++ |
|                   | R445     | 10     | 69957355675 | £000.00 | +++   |
| 80                | R929     | 10     | 69957350806 | £000.00 | +++++ |
|                   | R445     | 10     | 69957355677 | £000.00 | +++   |
| 120               | R929     | 10     | 69957350807 | £000.00 | +++++ |
|                   | R445     | 10     | 69957355681 | £000.00 | +++   |
| *                 | W445     | 10     | 63642580818 | £000.00 | +++++ |
| <b>100x3000mm</b> |          |        |             |         |       |
| 40                | R293     | 10     | 63642551511 | £000.00 | +++   |
| 60                | R293     | 10     | 63642548447 | £000.00 | +++   |
| <b>100x3350mm</b> |          |        |             |         |       |
| 60                | R445     | 10     | 63642546593 | £000.00 | +++   |
| 80                | R445     | 10     | 63642546594 | £000.00 | +++   |
| 100               | R445     | 10     | 63642530703 | £000.00 | +++   |
| 120               | R445     | 10     | 63642546597 | £000.00 | +++   |
| 150               | R445     | 10     | 63642546599 | £000.00 | +++   |
| 180               | R445     | 10     | 63642546600 | £000.00 | +++   |
| 220               | R445     | 10     | 63642546602 | £000.00 | +++   |
| 240               | R445     | 10     | 63642546603 | £000.00 | +++   |
| 400               | R445     | 10     | 63642546616 | £000.00 | +++   |
| *                 | W445     | 10     | 63642545206 | £000.00 | +++++ |
| <b>120x2000mm</b> |          |        |             |         |       |
| 36                | R822     | 10     | 63642539008 | £000.00 | +++++ |
| 40                | R822     | 10     | 63642539010 | £000.00 | +++++ |
| 60                | R822     | 10     | 63642539014 | £000.00 | +++++ |
| 80                | R822     | 10     | 63642539016 | £000.00 | +++++ |
| <b>140x3300mm</b> |          |        |             |         |       |
| *                 | W445     | 10     | 66254415118 | £000.00 | +++++ |
| <b>150x2000mm</b> |          |        |             |         |       |
| 36                | R929     | 10     | 69957350809 | £000.00 | +++++ |
| 40                | R929     | 10     | 69957350812 | £000.00 | +++++ |
| 60                | R929     | 10     | 69957350813 | £000.00 | +++++ |
| 80                | R929     | 10     | 69957350815 | £000.00 | +++++ |
| <b>150x2500mm</b> |          |        |             |         |       |
| 40                | R929     | 10     | 66261023984 | £000.00 | +++++ |
| 60                | R929     | 10     | 66261023992 | £000.00 | +++++ |
| 80                | R929     | 10     | 66261023993 | £000.00 | +++++ |

\*No abrasive grain

## RAPID PREP BELTS

| GRIT              | CAP CODE | PK QTY | ART NO.     | PRICE   |     |
|-------------------|----------|--------|-------------|---------|-----|
| <b>6x457mm</b>    |          |        |             |         |     |
| Coarse            | S2238    | 20     | 63642535959 | £000.00 | +++ |
| Medium            | S2338    | 20     | 63642535963 | £000.00 | +++ |
| Fine              | S2438    | 20     | 63642536140 | £000.00 | +++ |
| Very Fine         | S2538    | 20     | 66623333511 | £000.00 | +++ |
| <b>6x610mm</b>    |          |        |             |         |     |
| Coarse            | S2238    | 20     | 63642536118 | £000.00 | +++ |
| Medium            | S2338    | 20     | 63642536121 | £000.00 | +++ |
| Fine              | S2438    | 20     | 63642536144 | £000.00 | +++ |
| Very Fine         | S2538    | 20     | 66623333512 | £000.00 | +++ |
| <b>13x305mm</b>   |          |        |             |         |     |
| Coarse            | S2238    | 20     | 63642536134 | £000.00 | +++ |
| Medium            | S2338    | 20     | 63642536137 | £000.00 | +++ |
| Fine              | S2438    | 20     | 63642536164 | £000.00 | +++ |
| Very Fine         | S2538    | 20     | 66254499884 | £000.00 | +++ |
| <b>13x457mm</b>   |          |        |             |         |     |
| Coarse            | S2238    | 20     | 63642535980 | £000.00 | +++ |
| Medium            | S2338    | 20     | 63642536113 | £000.00 | +++ |
| Fine              | S2438    | 20     | 63642536141 | £000.00 | +++ |
| Very Fine         | S2538    | 20     | 66261055311 | £000.00 | +++ |
| <b>13x610mm</b>   |          |        |             |         |     |
| Coarse            | S2238    | 20     | 63642536122 | £000.00 | +++ |
| Medium            | S2338    | 20     | 63642536129 | £000.00 | +++ |
| Fine              | S2438    | 20     | 63642536145 | £000.00 | +++ |
| Very Fine         | S2538    | 20     | 66261019876 | £000.00 | +++ |
| <b>19x457mm</b>   |          |        |             |         |     |
| Coarse            | S2238    | 20     | 63642536114 | £000.00 | +++ |
| Medium            | S2338    | 20     | 63642536116 | £000.00 | +++ |
| Fine              | S2438    | 20     | 63642536142 | £000.00 | +++ |
| Very Fine         | S2538    | 20     | 66261003622 | £000.00 | +++ |
| <b>50x2000mm</b>  |          |        |             |         |     |
| Coarse            | S2228    | 5      | 63642531724 | £000.00 | +++ |
| Medium            | S2328    | 5      | 63642531726 | £000.00 | +++ |
| Fine              | S2428    | 5      | 63642531732 | £000.00 | +++ |
| Very Fine         | S2528    | 5      | 63642531733 | £000.00 | +++ |
| <b>75x2000mm</b>  |          |        |             |         |     |
| Coarse            | S2228    | 5      | 63642531735 | £000.00 | +++ |
| Medium            | S2328    | 5      | 63642531741 | £000.00 | +++ |
| Fine              | S2428    | 5      | 63642531743 | £000.00 | +++ |
| Very Fine         | S2528    | 5      | 63642531751 | £000.00 | +++ |
| <b>100x3500mm</b> |          |        |             |         |     |
| Coarse            | S2228    | 5      | 63642531760 | £000.00 | +++ |
| Medium            | S2328    | 5      | 63642531761 | £000.00 | +++ |
| Fine              | S2428    | 5      | 63642531764 | £000.00 | +++ |
| Very Fine         | S2528    | 5      | 63642531784 | £000.00 | +++ |
| <b>150x2000mm</b> |          |        |             |         |     |
| Coarse            | S2228    | 5      | 63642531787 | £000.00 | +++ |
| Medium            | S2328    | 5      | 63642531813 | £000.00 | +++ |
| Fine              | S2428    | 5      | 63642531816 | £000.00 | +++ |
| Very Fine         | S2528    | 5      | 63642531819 | £000.00 | +++ |





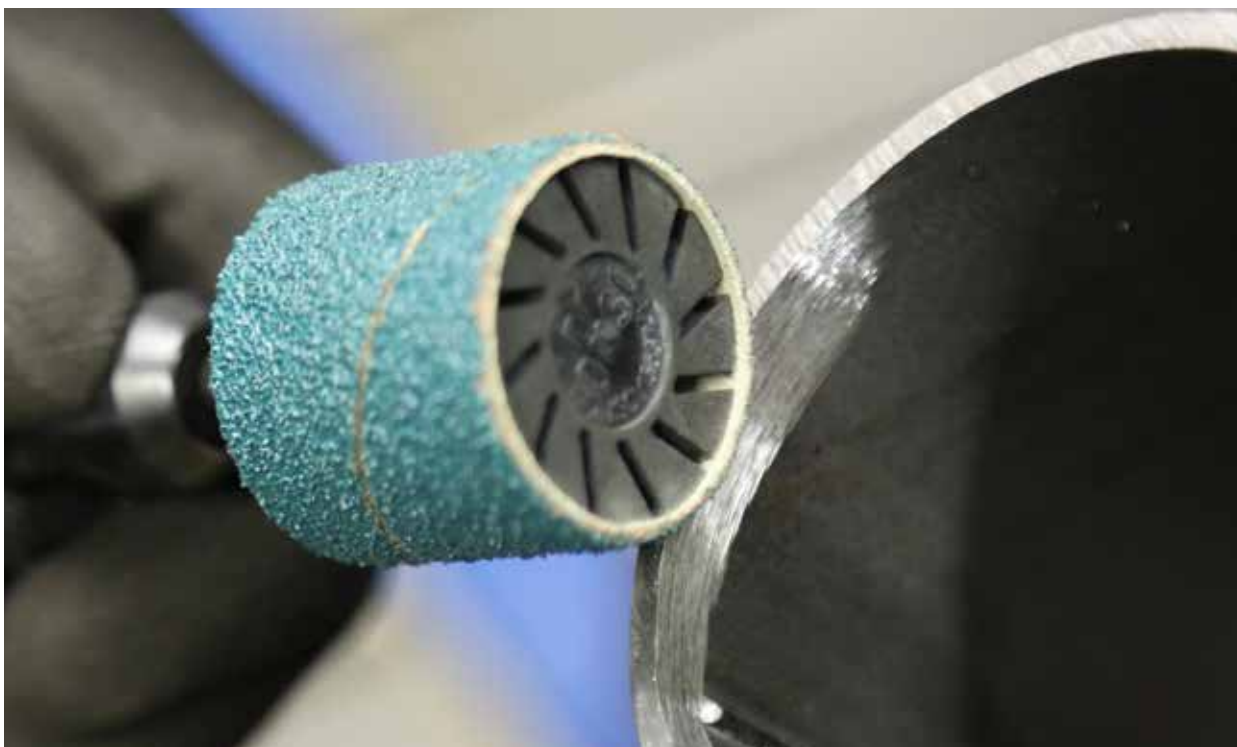
**NORTON**

SAINT-GOBAIN

COATED  
ABRASIVES

# SPECIALTIES

|                            |     |
|----------------------------|-----|
| Spirabands and Cones       | 200 |
| Cartridge and Spiral rolls | 204 |
| Sanding stars              | 208 |



## SPIRABANDS & CONES FOR DIE GRINDERS

Both abrasive spirabands and cones are unique shapes designed to access hard to reach areas including internal diameters, edges, surfaces curves and contours of components. They are ideal for removing parting lines, imperfections and burrs on surfaces and post-processing and repair work on metal structures, achieving high stock removal thanks to premium grain and exceptional product life even under the most demanding operating conditions. The spiral construction avoids shadow marks and provides smooth, chatter-free cutting action. Easy to mount and remove from cylindrical rubber mandrel by turning slightly to the right.

Spirabands & cones perform best at a recommended speed of 20-30m/s to optimize stock removal and surface finish whilst avoiding thermal load of the workpiece and tool wear.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ○



| MATERIALS                                     | BLAZE<br>R920 | X-TREME<br>R822 |
|-----------------------------------------------|---------------|-----------------|
|                                               | +++++         | ++++            |
| Stainless steel, inox & duplex                | ●             | ○               |
| Inconel, titanium & super alloys              | ●             | ○               |
| Carbon steel, construction steel & mild steel | ●             | ●               |
| Cast iron                                     | ○             | ●               |
| Non-ferrous metal (brass/aluminium)           |               | ○               |
| Hard & soft wood                              |               | ●               |

## BLAZE R920

- The best choice on stainless steel, inconels, chromium cobalt, titanium and extremely hard materials
- Maximum performance helps achieve the lowest overall grinding cost on the most difficult-to-grind materials
- Premium Ceramic alumina grain provides longer life versus any other spiraband on stainless, titanium and super alloys
- Works well in heavy duty applications for maximum stock removal, reduced heat, loading and glazing



|                                                                                   | DIM<br>DIAxW (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-----------------------------------------------------------------------------------|-------------------|------|--------|-------------|----------------------------|-----------------|---------|
| ABRASIVE SPIRABANDS                                                               |                   |      |        |             |                            |                 |         |
|  | 15x30             | 36   | 100    | 66261137086 | 25000 - 31500              | 7660705182      | £000.00 |
|                                                                                   |                   | 60   | 100    | 66623331569 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 66623331571 |                            |                 | £000.00 |
|                                                                                   | 22x20             | 36   | 100    | 66254402665 | 17500 - 21000              | 63642562578     | £000.00 |
|                                                                                   |                   | 60   | 100    | 66261192992 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 66623330997 |                            |                 | £000.00 |
|                                                                                   | 25x25             | 36   | 100    | 66261137090 | 15300 - 19000              | 7660705183      | £000.00 |
|                                                                                   |                   | 60   | 100    | 66623331005 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 66623331007 |                            |                 | £000.00 |
|                                                                                   | 30x30             | 36   | 100    | 66261137092 | 12700 - 15800              | 7660707918      | £000.00 |
|                                                                                   |                   | 60   | 100    | 66254493572 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 63642504970 |                            |                 | £000.00 |
|                                                                                   | 45x30             | 36   | 100    | 66254402667 | 9250 - 10500               | 7660705196      | £000.00 |
|                                                                                   |                   | 60   | 100    | 66261031600 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 66623331020 |                            |                 | £000.00 |
|                                                                                   | 60x30             | 36   | 100    | 66261137185 | 6500 - 7900                | 7660717631      | £000.00 |
|                                                                                   |                   | 60   | 100    | 66261137186 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 66261137187 |                            |                 | £000.00 |

Dimensions Key: DIM = Dimensions, DIA = Diameter, W = Width

## X-TREME R822

- A great choice for carbon steel and welds
- Prevents loading on aluminum
- Zirconia abrasive provides an aggressive cut and long life on carbon steel and welds
- Ideal for use on irregular shaped components such as curves, or recesses



|                                                                                     | DIM<br>DIAxW (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE     |
|-------------------------------------------------------------------------------------|-------------------|------|--------|-------------|----------------------------|-----------------|-----------|
| ABRASIVE SPIRABANDS                                                                 |                   |      |        |             |                            |                 |           |
|  | 13x25             | 36   | 100    | 66261176616 | 29400 - 36500              | 7660705185      | £000.00   |
|                                                                                     |                   | 50   | 100    | 63642528507 |                            |                 | £000.00   |
|                                                                                     |                   | 60   | 100    | 66261032722 |                            |                 | £000.00   |
|                                                                                     |                   | 80   | 100    | 63642528508 |                            |                 | £000.00   |
|                                                                                     | 15x30             | 36   | 100    | 66261034127 | 25000 - 31500              | 7660705182      | £000.00   |
|                                                                                     |                   | 50   | 100    | 63642528509 |                            |                 | £000.00   |
|                                                                                     |                   | 60   | 100    | 66623386740 |                            |                 | £000.00   |
|                                                                                     |                   | 80   | 100    | 63642528496 |                            |                 | £000.00 ▶ |

## SPIRABANDS & CONES FOR DIE GRINDERS

|                                                                                   | DIM<br>DIAxW (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-----------------------------------------------------------------------------------|-------------------|------|--------|-------------|----------------------------|-----------------|---------|
| ABRASIVE SPIRABANDS                                                               |                   |      |        |             |                            |                 |         |
|  | 22x20             | 36   | 100    | 63642539865 | 17500 - 21000              | 63642562578     | £000.00 |
|                                                                                   |                   | 50   | 100    | 63642528497 |                            |                 | £000.00 |
|                                                                                   |                   | 60   | 100    | 63642539866 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 63642539867 |                            |                 | £000.00 |
|                                                                                   | 25x25             | 36   | 100    | 63642528510 | 15300 - 19000              | 7660705183      | £000.00 |
|                                                                                   |                   | 50   | 100    | 63642528511 |                            |                 | £000.00 |
|                                                                                   |                   | 60   | 100    | 66623316384 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 63642528512 |                            |                 | £000.00 |
|                                                                                   | 30x30             | 36   | 100    | 63642566870 | 12700 - 15800              | 7660707918      | £000.00 |
|                                                                                   |                   | 50   | 100    | 63642535053 |                            |                 | £000.00 |
|                                                                                   |                   | 60   | 100    | 63642545925 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 63642545926 |                            |                 | £000.00 |
|                                                                                   | 38x25             | 36   | 100    | 66261180965 | 10000 - 12500              | 7660717568      | £000.00 |
|                                                                                   |                   | 50   | 100    | 66261180966 |                            |                 | £000.00 |
|                                                                                   |                   | 60   | 100    | 66261137836 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 66261180967 |                            |                 | £000.00 |
|                                                                                   | 45x30             | 36   | 100    | 63642528498 | 9250 - 10500               | 7660705196      | £000.00 |
|                                                                                   |                   | 50   | 100    | 63642528514 |                            |                 | £000.00 |
|                                                                                   |                   | 60   | 100    | 63642545928 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 63642528515 |                            |                 | £000.00 |
|                                                                                   | 51x25             | 36   | 100    | 63642528516 | 7500 - 9300                | 7660705184      | £000.00 |
|                                                                                   |                   | 50   | 100    | 66261180974 |                            |                 | £000.00 |
|                                                                                   |                   | 60   | 100    | 66261137837 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 63642528518 |                            |                 | £000.00 |
|                                                                                   | 60x30             | 36   | 100    | 63642536541 | 6500 - 7900                | 7660717631      | £000.00 |
|                                                                                   |                   | 50   | 100    | 63642539765 |                            |                 | £000.00 |
|                                                                                   |                   | 60   | 100    | 63642539874 |                            |                 | £000.00 |
|                                                                                   |                   | 80   | 100    | 63642539766 |                            |                 | £000.00 |

|                                                                                     | DIM<br>DBxDTxH (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-------------------------------------------------------------------------------------|---------------------|------|--------|-------------|----------------------------|-----------------|---------|
| ABRASIVE CONES                                                                      |                     |      |        |             |                            |                 |         |
|  | 20x14x63            | 36   | 100    | 66261176761 | 25000 - 31500              | 7660740439      | £000.00 |
|                                                                                     |                     | 50   | 100    | 66261176657 |                            |                 | £000.00 |
|                                                                                     |                     | 80   | 100    | 66261176656 |                            |                 | £000.00 |
|                                                                                     |                     | 120  | 100    | 66261176540 |                            |                 | £000.00 |
|                                                                                     | 36x22x60            | 36   | 100    | 63642520987 | 15300 - 19000              | 7660740441      | £000.00 |
|                                                                                     |                     | 50   | 100    | 63642536572 |                            |                 | £000.00 |
|                                                                                     |                     | 80   | 100    | 63642545922 |                            |                 | £000.00 |
|                                                                                     |                     | 120  | 100    | 66261176703 |                            |                 | £000.00 |

Dimensions Key: DIM = Dimensions, DB = Base diameter, DT = Top diameter, H = Height

## ACCESSORIES

- Rubber expanding mandrel gives a forgiving finish,
- Mandrel diameter 6mm
- Easy to mount and remove spiraband from serrated rubber holder by turning slightly to the right,



FERR.  
& NON FERR.



|                                                                                   | DIM<br>DBxDTH (mm) | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|--------------------|--------|-------------|---------|
| SPIRABAND MANDRELS                                                                |                    |        |             |         |
|  | 10x2x6             | 1      | 7660717573  | £000.00 |
|                                                                                   | 13x25x6            | 1      | 7660705185  | £000.00 |
|                                                                                   | 15x30x6            | 1      | 7660705182  | £000.00 |
|                                                                                   | 22x20x6            | 1      | 63642562578 | £000.00 |
|                                                                                   | 25x25x6            | 1      | 7660705183  | £000.00 |
|                                                                                   | 30x30x6            | 1      | 7660707918  | £000.00 |
|                                                                                   | 38x25x6            | 1      | 7660717568  | £000.00 |
|                                                                                   | 45x30x6            | 1      | 7660705196  | £000.00 |
|                                                                                   | 51x25x6            | 1      | 7660705184  | £000.00 |
|                                                                                   | 60x30x6            | 1      | 7660717631  | £000.00 |

|                                                                                     | DIM<br>DxWxS (mm) | PK QTY | ART NO.    | PRICE   |
|-------------------------------------------------------------------------------------|-------------------|--------|------------|---------|
| SPIRABAND MANDRELS                                                                  |                   |        |            |         |
|  | 20x14x63          | 1      | 7660740439 | £000.00 |
|                                                                                     | 36x22x60          | 1      | 7660740441 | £000.00 |





## CARTRIDGE & SPIRAL ROLLS FOR DIE GRINDERS

Cartridge rolls are excellent for getting into small spaces, intricate areas and inside surfaces and corners where other abrasive shapes cannot reach. The abrasive cloth is rolled and glued to form a solid shape with abrasive grain on all sides. As the products are used, the grain fractures during use and reveals the next layer of abrasive, continually renewing the cutting edge. Typically, cartridge rolls are used on high-speed air grinders mounted on a mandrel for flash removal, polishing, or removing machine tool marks, edge breaking and dressing fillet weld seams on metal structures.

High speed air grinders are compact and lightweight for using mandrel-mounted abrasives, allowing better control than larger die grinders, they're a 'must' for any detail work on small parts. Cartridge and spiral rolls perform best at a recommended speed of 6-9 m/s to optimize stock removal and surface finish whilst avoiding thermal load of the workpiece and tool wear.

## PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ①



| MATERIALS                                     | BLAZE<br>R920 | X-TREME S<br>R422 | BDX<br>R265 |
|-----------------------------------------------|---------------|-------------------|-------------|
|                                               | +++++         | ++++              | +++         |
| Stainless steel, inox & duplex                | ●             |                   |             |
| Inconel, titanium & super alloys              | ●             |                   |             |
| Carbon steel, construction steel & mild steel | ●             |                   | ①           |
| Cast iron                                     | ①             |                   | ●           |
| Non-ferrous metal (brass/aluminium)           |               | ①                 | ●           |
| Hard & soft wood                              |               | ●                 | ①           |
| Composite materials                           |               | ●                 | ①           |
| Stone, concrete                               |               | ●                 |             |
| Glass, plastic                                |               | ●                 |             |

## CARTRIDGE & SPIRAL ROLLS FOR DIE GRINDERS

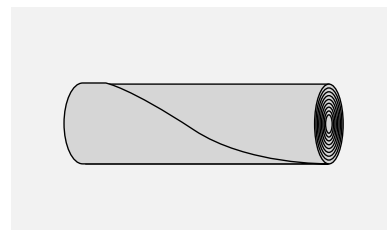
### SHAPE RECOMMENDATION GUIDE

#### STRAIGHT ZPE

Straight rolls wear to the shape required. Effective for:

- Flash removal
- Polishing or removing machine tool marks
- Edge breaking
- Reaching into corners, where larger diameter tools cannot work

All cartridge rolls are resin bond, half-glued.

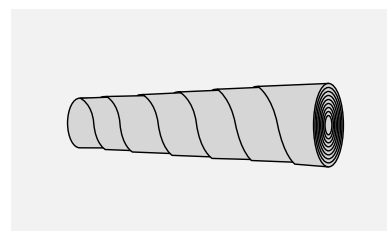


#### SPIRAL ZSPI

Spiral rolls are suited for use on contoured parts. Effective for:

- Grinding/polishing of channels, fillets and radii, and deburring small holes
- Tapered end can be used when the area to finish is hard to reach with a full cartridge roll
- Conforms to small areas
- Fits into irregular concaves, contours, channels

All spiral rolls are fully tapered, resin bonded, half glued.



#### BLAZE R920

- Ceramic alumina grain for the highest productivity of all rolls, with faster cut rate and long life
- Grinding aid provides a cooler cut and reduced loading and glazing on hard to grind materials stainless steel, cobalt, inconel and titanium
- Improved bond system retains the grain for longer, helping you get more use from just one product
- Strong backing provides excellent durability even under tough pressure and wears evenly



|                                                                                     | DIM<br>BSxLxB (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-------------------------------------------------------------------------------------|--------------------|------|--------|-------------|----------------------------|-----------------|---------|
| <b>STRAIGHT ZPE</b>                                                                 |                    |      |        |             |                            |                 |         |
|  | 6x25x3             | 120  | 50     | 66261128994 | 19000 - 28600              | 63642556790     | £000.00 |
|                                                                                     | 6x38x3             | 80   | 50     | 66261128986 | 19000 - 28600              | 63642556791     | £000.00 |
|                                                                                     |                    | 120  | 50     | 66261128995 |                            |                 | £000.00 |
|                                                                                     | 10x38x3            | 60   | 50     | 66261128973 | 11500 - 17200              | 63642556791     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261128988 |                            |                 | £000.00 |
|                                                                                     |                    | 120  | 50     | 66261128997 |                            |                 | £000.00 |
|                                                                                     | 13x25x3            | 80   | 50     | 66261128989 | 8800 - 13200               | 63642556790     | £000.00 |
|                                                                                     |                    | 120  | 50     | 66261128998 |                            |                 | £000.00 |
|                                                                                     | 13x38x3            | 60   | 50     | 66261128975 | 8800 - 13200               | 63642556791     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261128990 |                            |                 | £000.00 |
|                                                                                     |                    | 120  | 50     | 66261128999 |                            |                 | £000.00 |
|                                                                                     | 19x38x3            | 60   | 50     | 66261128984 | 6000 - 9000                | 63642556791     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261128992 |                            |                 | £000.00 |
|                                                                                     |                    | 120  | 50     | 66261129001 |                            |                 | £000.00 |

Dimensions Key: DIM = Dimensions, BS = Base diameter, L = Length, B = Bore

## CARTRIDGE & SPIRAL ROLLS FOR DIE GRINDERS

|                                                                                   | DIM<br>BSxLxB (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-----------------------------------------------------------------------------------|--------------------|------|--------|-------------|----------------------------|-----------------|---------|
| SPIRAL ZSPI                                                                       |                    |      |        |             |                            |                 |         |
|  | 10x38x3            | 60   | 50     | 66261129486 | 11500 - 17200              | 63642556791     | £000.00 |
|                                                                                   |                    | 80   | 50     | 66261129493 |                            |                 | £000.00 |
|                                                                                   |                    | 120  | 50     | 66261129501 |                            |                 | £000.00 |
|                                                                                   | 13x38x3            | 60   | 50     | 66261129489 | 8800 - 13200               | 63642556791     | £000.00 |
|                                                                                   |                    | 80   | 50     | 66261129496 |                            |                 | £000.00 |
|                                                                                   |                    | 120  | 50     | 66261129514 |                            |                 | £000.00 |

## X-TREME R422 ++++

- Sharp silicon carbide abrasive for high initial cut on non-ferrous and soft-loading materials such as titanium, masonry, composites, plastic and rubber
- Resin bond system holds the grain for longer, helping you get more use from just one product
- A great solution for grinding titanium and non-ferrous aircraft and engine parts
- Ideal solution for sanding and polishing channels, fillets, recesses, radii, small contours and the bottom of dead-end holes



|                                                                                     | DIM<br>BSxLxB (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-------------------------------------------------------------------------------------|--------------------|------|--------|-------------|----------------------------|-----------------|---------|
| STRAIGHT ZPE                                                                        |                    |      |        |             |                            |                 |         |
|  | 13x25x3            | 60   | 50     | 66261129007 | 8800 - 13200               | 63642556790     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261129017 |                            |                 | £000.00 |
|                                                                                     | 13x38x3            | 60   | 50     | 66261129008 | 8800 - 13200               | 63642556791     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261129018 |                            |                 | £000.00 |
|                                                                                     | 19x38x3            | 60   | 50     | 66261129011 | 6000 - 9000                | 63642556791     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261129020 |                            |                 | £000.00 |

Dimensions Key: DIM = Dimensions, BS = Base diameter, L = Length, B = Bore

|             | DIM<br>BSxLxB (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-------------|--------------------|------|--------|-------------|----------------------------|-----------------|---------|
| SPIRAL ZSPI |                    |      |        |             |                            |                 |         |
|             | 10x25x3            | 60   | 50     | 66261129522 | 11500 - 17200              | 63642556790     | £000.00 |
|             |                    | 80   | 50     | 66261129531 |                            |                 | £000.00 |
|             |                    | 120  | 50     | 66261129543 |                            |                 | £000.00 |
|             | 10x38x3            | 60   | 50     | 66261129523 | 11500 - 17200              | 63642556791     | £000.00 |
|             |                    | 80   | 50     | 66261129532 |                            |                 | £000.00 |
|             |                    | 120  | 50     | 66261129544 |                            |                 | £000.00 |
|             | 13x38x3            | 60   | 50     | 66261129526 | 8800 - 13200               | 63642556791     | £000.00 |
|             |                    | 80   | 50     | 66261129535 |                            |                 | £000.00 |
|             |                    | 120  | 50     | 66261129547 |                            |                 | £000.00 |

Dimensions Key: DIM = Dimensions, BS = Base diameter, L = Length, B = Bore

## BDX R265

- A good choice for hard-to-grind materials that require an economical option or for multi-purpose applications
- Resin bond system ensures edge adhesion
- Aluminium oxide abrasive provides a good cut rate and good product life
- Runs cooler and more efficiently; ideal for grinding exotic alloys



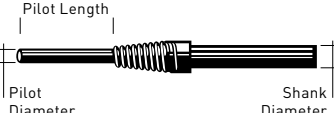
FERR. & NON FERR. 

|                                                                                   | DIM<br>BSxLxB (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-----------------------------------------------------------------------------------|--------------------|------|--------|-------------|----------------------------|-----------------|---------|
| STRAIGHT ZPE                                                                      |                    |      |        |             |                            |                 |         |
|  | 6x38x3             | 60   | 50     | 66261128877 | 19000 - 28600              | 63642556791     | £000.00 |
|                                                                                   |                    | 80   | 50     | 66261128899 |                            |                 | £000.00 |
|                                                                                   |                    | 120  | 50     | 66261128909 |                            |                 | £000.00 |
|                                                                                   | 10x38x3            | 60   | 50     | 66261128886 | 11500 - 17200              | 63642556791     | £000.00 |
|                                                                                   |                    | 80   | 50     | 66261128901 |                            |                 | £000.00 |
|                                                                                   |                    | 120  | 50     | 66261128912 |                            |                 | £000.00 |
|                                                                                   | 13x38x3            | 60   | 50     | 66261128891 | 8800 - 13200               | 63642556791     | £000.00 |
|                                                                                   |                    | 80   | 50     | 66261128904 |                            |                 | £000.00 |
|                                                                                   |                    | 120  | 50     | 66261128914 |                            |                 | £000.00 |

|                                                                                     | DIM<br>BSxLxB (mm) | GRIT | PK QTY | ART NO.     | RECOMMENDED<br>SPEED (RPM) | MANDREL<br>CODE | PRICE   |
|-------------------------------------------------------------------------------------|--------------------|------|--------|-------------|----------------------------|-----------------|---------|
| SPIRAL ZSPI                                                                         |                    |      |        |             |                            |                 |         |
|  | 10x25x3            | 60   | 50     | 66261129105 | 11500 - 17200              | 63642556790     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261129112 |                            |                 | £000.00 |
|                                                                                     |                    | 120  | 50     | 66261129120 |                            |                 | £000.00 |
|                                                                                     | 13x38x3            | 60   | 50     | 66261129109 | 8800 - 13200               | 63642556791     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261129117 |                            |                 | £000.00 |
|                                                                                     |                    | 120  | 50     | 66261129124 |                            |                 | £000.00 |
|                                                                                     | 19x38x3            | 60   | 50     | 66261129110 | 6000 - 9000                | 63642556791     | £000.00 |
|                                                                                     |                    | 80   | 50     | 66261129118 |                            |                 | £000.00 |
|                                                                                     |                    | 120  | 50     | 66261129125 |                            |                 | £000.00 |

Dimensions Key: DIM = Dimensions, BS = Base diameter, L = Length, B = Bore

## STEEL MANDREL FOR CARTRIDGE ROLLS

| DESCRIPTION                                                                                                                               | DIM<br>DIAxL (mm) | SHAFT<br>DIAMETER (mm) | PK QTY | ART. NO.    | PRICE   |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------|--------|-------------|---------|
| Steel mandrel for cartridge rolls with a 6mm shaft<br> | 3x13              | 6mm                    | 1      | 63642587120 | £000.00 |
|                                                                                                                                           | 3x19              | 6mm                    | 1      | 63642556790 | £000.00 |
|                                                                                                                                           | 3x25              | 6mm                    | 1      | 63642556791 | £000.00 |
|                                                                                                                                           | 3x38              | 6mm                    | 1      | 66261138811 | £000.00 |

Dimensions Key: DIM = Dimensions, DIA = Pilot diameter, L = Pilot length



## SANDING STARS

Ideal for deburring & finishing difficult to access metal applications, irregular shaped components, holes, radi and grooves as small as 35mm as well as removing sharp edges which may cause manual handling problems on irregular or awkward sized components. The perfect tool for applications requiring a perfect 360° finish, ideal for irregular surfaces due to high flexibility and conformability. Sanding stars are a multi-layered abrasive tool that are rived together on a 6mm shaft.

Sanding stars perform best at a recommended speed of 15-25m/s for optimizing stock removal and surface finish whilst avoiding thermal load of the workpiece and tool wear.

### PRODUCT SELECTION GUIDE SANDING STARS

Highly recommended ●  
Recommended ●



| MATERIALS                                     | BLAZE<br>R946 |
|-----------------------------------------------|---------------|
|                                               | +++++         |
| Stainless steel, inox & duplex                | ●             |
| Inconel, titanium & super alloys              | ●             |
| Carbon steel, construction steel & mild steel | ●             |
| Cast iron                                     | ●             |



## BLAZE R946

- Cuts cooler and lasts longer on stainless steel, cobalt, inconel, titanium and other hard-to-grind materials
- Maximum performance for lowest overall grinding cost on your most difficult-to-grind materials
- Reduced heat, loading and glazing on stainless, titanium and super alloys
- Conforms to irregular shaped components and contours



|                                                                                   | DIM DIAxS (mm) | GRIT | NUMBER OF PLYES | PK QTY | ART NO.     | RECOMMENDED SPEED (RPM) | PRICE   |
|-----------------------------------------------------------------------------------|----------------|------|-----------------|--------|-------------|-------------------------|---------|
|  | 40x6           | 60   | 12              | 10     | 66261131904 | 7200 - 12000            | £000.00 |
|                                                                                   |                | 120  | 12              | 10     | 66261132447 |                         | £000.00 |
|                                                                                   | 60x6           | 60   | 12              | 10     | 66261132442 | 4800 - 8000             | £000.00 |
|                                                                                   |                | 120  | 12              | 10     | 66261132449 |                         | £000.00 |
|                                                                                   | 80x6           | 60   | 12              | 10     | 66261132444 | 3600 - 6000             | £000.00 |
|                                                                                   |                | 120  | 12              | 10     | 66261132451 |                         | £000.00 |
|                                                                                   | 100x6          | 60   | 12              | 10     | 66261132445 | 2900 - 4800             | £000.00 |
|                                                                                   |                | 120  | 12              | 10     | 66261132452 |                         | £000.00 |

## MADE-TO-ORDER PRODUCT AVAILABILITY

| PRODUCT / GRIT  | 80 | 120 | 150 | 180 | 240 | 320 |
|-----------------|----|-----|-----|-----|-----|-----|
| BLAZE R946      | •  | •   | •   | •   | •   | •   |
| X-TREME S R427* | •  | •   | •   | •   | •   |     |
| BDX R309*       | •  | •   | •   | •   | •   | •   |

\* available as MTO

## MINIMUM ORDER QUANTITY

| DIAMETER (mm) | MINIMUM ORDER QUANTITY |
|---------------|------------------------|
| 25            | 50 pieces              |
| 40            | 50 pieces              |
| 50            | 50 pieces              |
| 60            | 50 pieces              |
| 70            | 50 pieces              |
| 80            | 50 pieces              |
| 100           | 50 pieces              |
| 125           | 50 pieces              |



# SAFETY ADVICE

## 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.

## TRANSPORT & STORAGE

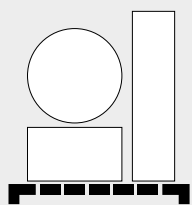
All coated abrasives should be handled carefully. Damage can be caused by mishandling, which should be avoided. Coated abrasives should be stored in dry, frost free conditions. They should be kept away from heat sources, cold, damp walls, doors or windows and should not be in direct contact with the 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.

Temperature and humidity are the two most important climatic factors influencing coated abrasive performance. Backings and adhesives are sensitive to climatic changes and will gain or lose moisture according to the relative humidity of their surroundings.

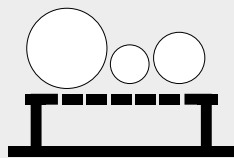
Excessive humidity may cause a softening of some types of adhesive bonds so that the product quickly fills and clogs, or loses its grain during use. Excessive dryness may cause brittleness, reduced flexibility, and distortion of product shapes.

As moisture in the coated abrasive product increases or decreases, dimensional changes can occur. When the backing changes more than the adhesive bond, it causes cupping.

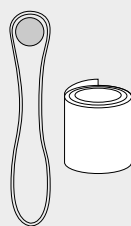
High and low humidity can cause concave and convex cupping respectively. The newer synthetic-backed belts are not affected by moisture. Broad temperature swings will not permanently harm these products either, but cold temperatures will cause a "cold set" condition. Consequently, these products should be allowed to come to room temperature before use.



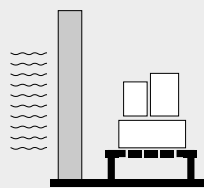
KEEP PRODUCTS IN ORIGINAL PACKAGING



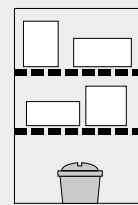
STORE BULK ROLLS FLAT



STORE BELTS PROPERLY



KEEP AWAY FROM HEAT / COLD SOURCES



PRE-CONDITION BEFORE USE

- Keep products in original packages. These packages facilitate handling and can be stacked in the most practical and convenient manner.
- Bulk rolls should not be allowed to stand on edge after they have been unpacked. Store flat on shelves or pallets.
- Narrow belts which have been removed from the carton should be rolled up and stored on edge on a clean shelf. Belts may be draped over a large cylinder, such as a brake drum, or flanged hanger of the type used for a garden hose. Never hang a belt from a nail – the backing will crease and the abrasive belt might crack.
- Wide belts should be hung over a tube of at least 100mm diameter. Center the belt joint over the tube and add a light weight (such as old packaging tubes) to the bottom loop of the belt to aid in removing set.
- Condition for 24 hours prior to use.
- For maximum product efficiency, precondition coated abrasive products in a chamber of controlled temperature and humidity before use.

## SAFETY ADVICE

For your safety you should ensure that you are fully aware of how to safely use abrasives

### DO's

|                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Read the safety instructions provided by the abrasives and equipment supplier                                                                                                                                                                                                                                                                                                                                           |
| Store abrasives in dry, frost-free conditions avoiding wide variations in temperature                                                                                                                                                                                                                                                                                                                                   |
| Ensure that the product is suitable for its purpose                                                                                                                                                                                                                                                                                                                                                                     |
| Handle, store and transport products with care                                                                                                                                                                                                                                                                                                                                                                          |
| Disconnect the power to the machine before fitting the product                                                                                                                                                                                                                                                                                                                                                          |
| Examine all products before mounting and periodically during use for possible defects or damage (core flatness, fatigue cracks, undercutting, arbor hole damage...)                                                                                                                                                                                                                                                     |
| Check that correct mounting devices are used and that they are clean, undistorted and free from burrs                                                                                                                                                                                                                                                                                                                   |
| Ensure that work rests are properly adjusted and secure                                                                                                                                                                                                                                                                                                                                                                 |
| Always use a correctly designed and adjusted guard (on belts)                                                                                                                                                                                                                                                                                                                                                           |
| Ensure that the workpiece is secure                                                                                                                                                                                                                                                                                                                                                                                     |
| Wear appropriate personal protective equipment at all times                                                                                                                                                                                                                                                                                                                                                             |
| Avoid clogging and uneven wear to ensure that the product is working efficiently                                                                                                                                                                                                                                                                                                                                        |
| Ensure accordance between product direction arrow / machine rotation                                                                                                                                                                                                                                                                                                                                                    |
| Ensure that all machines using abrasives meet the requirements of the current european machinery directives-CE                                                                                                                                                                                                                                                                                                          |
| 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> |

### DON'Ts

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

## SAFETY ADVICE

### 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.



Mouth  
Protection



Wear  
Gloves



Eye  
Protection



Ear  
Protection



Read  
Instructions



Wet



Dry





The Norton logo is displayed in white, italicized, sans-serif capital letters within a blue parallelogram shape.

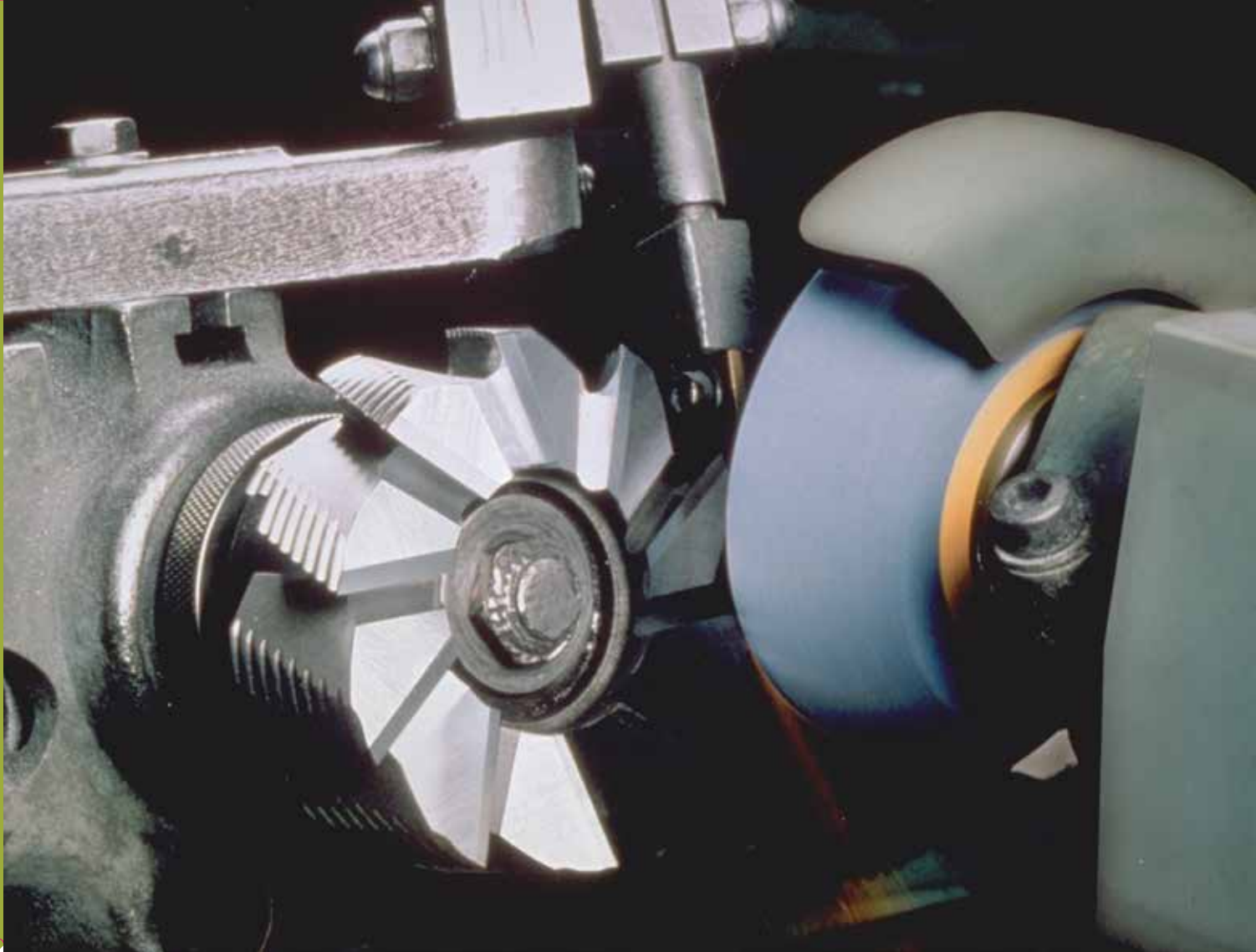
SAINT-GOBAIN®

BONDED  
ABRASIVES

# BONDED ABRASIVES

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## INTRODUCTION BONDED ABRASIVES

From standard aluminum oxide bench wheels to premium ceramic abrasive surface grinding wheels, Norton offers high performance abrasive solutions that can maximise productivity in virtually all industrial applications.

The extensive product range is designed to meet all your precision grinding and roughing application needs, with all the most appropriate abrasive specifications, including grinding wheels, segments, mounted points, dressing sticks and sharpening stones.

Norton, the industry's most comprehensive Bonded abrasive product line.

## WHAT IS A GRINDING WHEEL?

A grinding wheel is a precision tool with thousands of cutting points. It consists of abrasive grains held in a matrix of bond and separated by pores. The abrasive grains are the cutting points while the purpose of the bond is to hold the individual grains together. The pores (hollow spaces between adjacent abrasive grains and the bond) serve to provide clearance for coolant penetration and metal chips removed in the grinding process.

When the wheel is rotated at grinding speed and applied to the workpiece, the abrasive grains cut the material that is being ground, removing the material in small chips.

Under the action of the forces imposed during grinding the abrasive cutting points are worn flat, resulting in the points becoming blunt. This causes an increase in friction, and a build up of heat.

The increase in grinding forces causes either the abrasive to fracture, exposing new cutting edges, or fractures the bond bridges holding the abrasive grains. In the latter case fresh abrasive grains are exposed to cut the workpiece.

In normal vitrified grinding applications the wheel has to be dressed.

By varying the properties of the abrasive, the type of bond, the make-up of the wheel, it is possible to produce grinding wheels with a vast range of different grinding characteristics.

## ABRASIVE TYPES

### CERAMIC ALUMINIUM OXIDE

Norton SG, Norton Quantum are patented ceramic forms of aluminium oxide that are harder and sharper than conventional abrasive grains.

The ceramic grain has a unique microcrystalline structure and when used in a grinding operation this microstructure becomes self-sharpening.

This leads to a reduction in the need for wheel dressing and a considerably cooler cutting action.

### ALUMINIUM OXIDE

Generally recommended for grinding materials of high tensile strength, such as stainless steel and tool steels, but it can also be used on some high tensile aluminium and bronze alloys. It is manufactured in varying qualities.

### SILICON CARBIDE

Harder than aluminium oxide with a very sharp abrasive grain shape. It is recommended for grinding relatively soft materials such as aluminium or cast iron as well as grinding extremely hard materials such as cemented carbide.

### ZIRCONIA ALUMINA

For use in rough grinding applications where high stock removal is required. Associated with high tech resin bonds.

## GRAIN SPECIFICATIONS

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>A</b> This is a particularly tough form of aluminium oxide. Its toughness is due to the presence of 3% of titanium oxide in the abrasive. Fired at low temperature the abrasive retains its natural brown colour. Fired at high temperature further oxidation of the titanium oxide takes place which changes the normal brown colour to a grey-blue. Because of its toughness, regular brown alumina is suitable for grinding high tensile strength materials, specifically off-hand grinding (bench grinding wheels) &amp; sharpening stones.</p> | <p><b>5GB</b> A blend of premium abrasives that include a medium, high, very high concentration of premium abrasive SG. SG has a unique microcrystalline structure allowing self-sharpening.</p>                                                                     |
| <p><b>19A</b> A blend of A &amp; 38A abrasives. This abrasive gives a grinding action that can be compared to the average of its components. It is supplied in some standard tool room wheels, used for surface, cylindrical, centreless &amp; miscellaneous grinding on less heat sensitive steels.</p>                                                                                                                                                                                                                                                  | <p><b>2NQ</b> Blends that include medium, high, very high concentrations of premium abrasive NQ. NQ has improved self sharpening properties allowing even cooler grinding action vs. SG. NQ blends are specially suited for low to medium pressure applications.</p> |
| <p><b>38A</b> White fused aluminium oxide (99,8% pure). The most friable &amp; cool cutting of the aluminium oxides. This abrasive is supplied in all types of standard range wheels ideal for use on hard &amp; heat sensitive steels &amp; alloys. It has traditionally been used for sharpening high-speed steel &amp; cast alloy tools &amp; cutters. 38A is used for cylindrical, surface &amp; internal grinding of tools, dies &amp; gauges.</p>                                                                                                   | <p><b>37C</b> Crystolon silicon carbide abrasive. Supplied mainly in the resin bonds of advanced wheels used for grinding grey iron, non-ferrous metals &amp; in vitrified bonds for grinding non-metallic materials, such as rubber &amp; stone.</p>                |
| <p><b>57A</b> Semi-pure brown fused aluminium oxide (98% pure). The higher purity of 57A makes it a good general purpose abrasive. Its versatility enables it to be used for grinding steel parts in both soft &amp; hard states, especially on large cylindrical &amp; centreless operations. U Treatment (U57A) is a ceramic coating applied to this abrasive to increase its durability in resin bonded cutting-off wheels. It is used in the advanced range resinoid cut-off wheels.</p>                                                              | <p><b>39C</b> Crystolon is the highest purity silicon carbide abrasive. It is ideal for grinding cemented carbide cutting tools, fired ceramics &amp; glass, where it provides advanced performance.</p>                                                             |
| <p><b>86A</b> Pink aluminium oxide is a highly refined form of alumina containing a small proportion of chromium oxide. This addition makes 86A a little tougher than pure white, increasing the strength along the shear planes. This abrasive is available in a range of mounted points &amp; wheels.</p>                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                      |



## GRIT SIZE

The number in the grinding wheel, marking designating grit size, represents the approximate number of openings per linear inch in the final screen size used to size the grain. The following rules should be followed:

### USE COARSE GRIT

- For soft, ductile, stringy materials such as soft steel or aluminium
- For rapid stock removal
- Where finish is not important
- For large areas of contact.

### USE FINE GRIT

- For hard, brittle materials such as hard tool steels, cemented carbides & glass
- For fine finishes
- For small areas of contact
- For holding small corner radii.

## WHEEL GRADE

The grade indicates the relative holding power of the bond, which holds abrasive grains in a wheel. This is represented in the specification by letters running through the alphabet from softest to hardest. The following rules should be followed with regard to grade:

### USE SOFT GRADE

- For hard materials such as hard tool steels & carbides
- For large areas of contact
- For rapid stock removal.

### USE HARD GRADE

- For soft materials
- For small or narrow areas on contact
- For longer wheel life.

### COMMON RANGE OF GRADES

| F                      | G | H | I             | J                      | K               | L | M | N | O | P                  | Q | R | S | T | U |
|------------------------|---|---|---------------|------------------------|-----------------|---|---|---|---|--------------------|---|---|---|---|---|
|                        |   |   |               | CYLINDRICAL/CENTRELESS |                 |   |   |   |   |                    |   |   |   |   |   |
| SURFACE GRINDING       |   |   |               |                        |                 |   |   |   |   |                    |   |   |   |   |   |
|                        |   |   |               | ID GRINDING            |                 |   |   |   |   |                    |   |   |   |   |   |
|                        |   |   | TOOL GRINDING |                        |                 |   |   |   |   |                    |   |   |   |   |   |
|                        |   |   |               |                        | THREAD GRINDING |   |   |   |   |                    |   |   |   |   |   |
| NON-REINFORCED ORGANIC |   |   |               |                        |                 |   |   |   |   |                    |   |   |   |   |   |
|                        |   |   |               |                        |                 |   |   |   |   | REINFORCED ORGANIC |   |   |   |   |   |

## BOND TYPES-VITRIFIED

Vitrified bonds are the most common precision grinding bond. Porosity and strength of the wheels made with this bond give high stock removal along with their rigidity helping to attain high precision. Not affected by water, acid, oils or ordinary temperature variations.

### THE MOST COMMON VITRIFIED BONDS ARE:

|            |                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VS3 / VS3P | <b>VITRIUM<sup>3</sup> REVOLUTIONARY BOND TECHNOLOGY</b><br>The Vitrium <sup>3</sup> bond platform features an exclusive chemistry that delivers an entirely new grain adhesion science, resulting in improved product versatility across a wide range of precision grinding applications. Provides cool cutting, precise profile, high speed, versatile across all precision grinding applications. |
| VS         | VS is a versatile, low temperature, vitrified bond system used in most precision applications.                                                                                                                                                                                                                                                                                                       |
| VX / VXP   | Equivalent to VS bond, for ceramic only.                                                                                                                                                                                                                                                                                                                                                             |
| VQN / VQNP | These bonds are associated with Norton Quantum technology - a versatile technology for low, medium and high force applications.                                                                                                                                                                                                                                                                      |

## BOND TYPES-ORGANIC

These bonds are used in two types of wheels. Firstly, wheels used on portable or fixed machines for the rapid removal of metal. Secondly, cutting-off wheels either un-reinforced or reinforced, for use on portable or fixed machines. The most common organic bonds are:

### SNAGGING WHEELS & CUPS

**B & B3** Foundry wheels: multi-purpose bond that gives satisfactory results on most applications

**B28** Foundry wheels: high level bond suitable for most technical applications requiring high powered machines

### CUTTING-OFF WHEELS

**BFX** Foundry X bond technology designed to increase cut rate and wheel life in all cut-off applications on a wide range of tough materials

**BF1** Specific bond ensuring the best quality of cut in dry or wet conditions

**BF3** New generation bond assuring the best wheel life in dry cutting operations; versatile & long wheel life. Ideal for heavy duty operations

**B24** New generation bond used on silicon carbide cut-off wheels that gives the best performance & the ultimate cut quality on non-ferrous metals in wet conditions

**B25** Standard multi-purpose bond that offers durability & freeness of cut in a wide variety of materials & applications. Can also be used in wet cutting on softer grades

**B26** New generation bond used on aluminium oxide cut-off wheels that gives the best performance & the ultimate cut quality on ferrous metals in wet conditions

**B65** Traditional bond gives good performance & long wheel life in dry cutting conditions

## SELECTING THE RIGHT PRODUCT

**THERE ARE NINE MAIN FACTORS TO BE CONSIDERED WHEN SELECTING A GRINDING WHEEL FOR ANY APPLICATION:**

- The material to be ground – its type & hardness
- The stock to be removed
- The workpiece geometry & surface finishes required
- The grinding machine, the type of machine, the power available & its conditions
- Wheel speeds & feeds
- Grinding contact area
- Grinding fluid – whether the operation is wet or dry
- The severity of the grinding operation
- The dressing method

### MATERIAL TO BE GROUND

The type of material affects the selection of abrasive, grit size and grade. Alumina type abrasives are the most suitable for grinding high tensile materials such as steel and ferritic cast irons. The more friable types of alumina are preferred on harder steels and applications having large arcs of contact.

Low tensile strength materials and non-metallic materials are most efficiently ground or cut with silicon carbide abrasive.

The hardness of the material governs the amount of penetration that can be achieved by the abrasive. For this reason finer grit size wheels are required to grind hard materials and soft materials are best ground with medium to coarse grit size wheels.

For most efficient operation, the grade must be adjusted to suit the hardness of the material. As a general guide, the harder the material, the softer the grade of wheel required.

### STOCK TO BE REMOVED

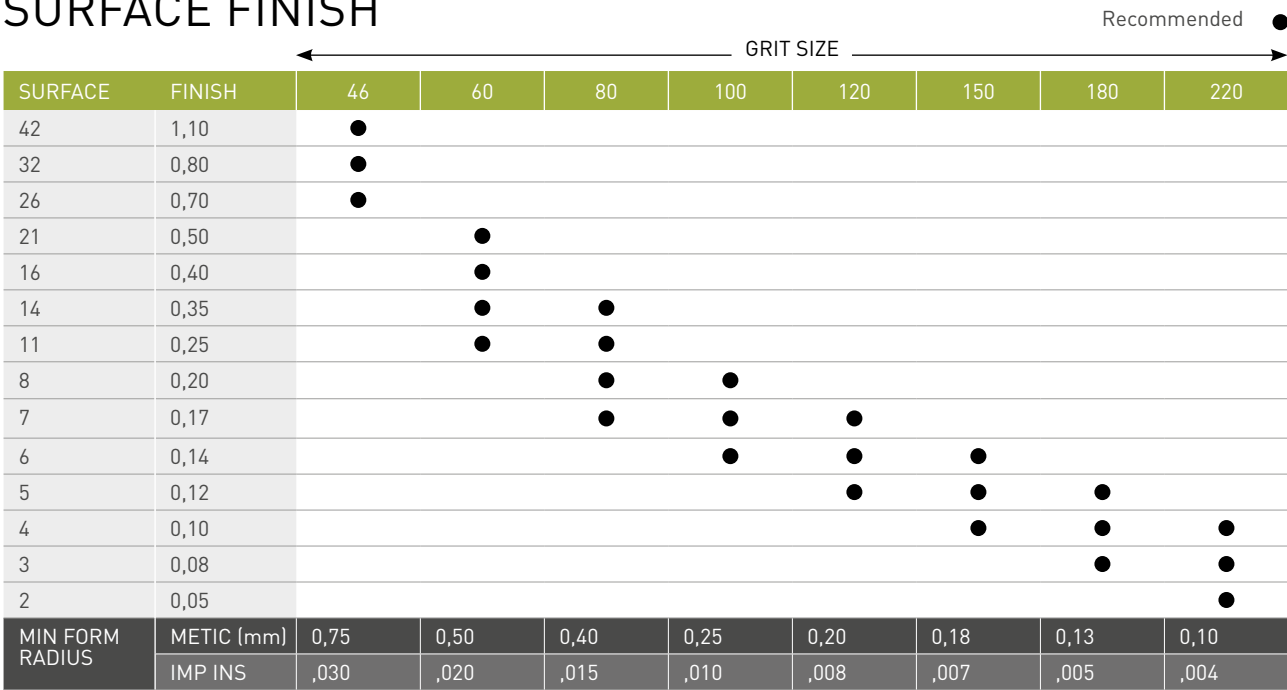
This affects the choice of abrasive size and bond type.

High stock removal rates, as in fettling operations, require coarse grit wheels, typically 12 to 24 mesh.

Fine finishes and tight limits on finished workpiece geometry require finer grit sizes.

Final surface finish is often achieved by 'spark out'. No further infeed is applied and the wheel is allowed to grind until the majority of the grinding sparks cease.

SURFACE FINISH



The achievable surface finish in any grinding operation is highly dependent upon the grit size of the grinding wheel. The following chart shows the range of surface finishes achievable when using grinding wheels of different grit sizes on conventional precision grinding applications, together with the minimum form radius that can be ground using each grit size.

Other factors can affect the surface finish achieved. In particular:

- Production grinding applications, with higher stock removal ranges, will give surface finishes at the coarser end of the range
- Plunge grinding applications will often require the selection of a grit size one size finer than shown
- Dressing techniques & the type of material can also affect the surface finish achieved

ACHIEVING IMPROVED SURFACE FINISHES

By changing the wheel dressing technique, it is possible to achieve finer surface finishes than those shown. As well as reducing the dresser infeed per revolution of the grinding wheel, it is also possible to reduce the infeed and traverse rate when grinding, thus reducing the stock removal rate. Obviously this approach will have limited application in production grinding but it can be very useful in tool room work.

READING THE PRODUCT

- 1 Safety pictograms
- 2 Strong Norton branding
- 3 Product dimensions (mm)
- 4 Product specification
- 5 Maximum operating speed
- 6 Article number; for use when re-ordering
- 7 oSa certified  
The Organisation for Safety of Abrasives
- 8 European safety standard EN 12413







**NORTON**

SAINT-GOBAIN®

BONDED  
ABRASIVES

# PRECISION GRINDING

|                         |     |
|-------------------------|-----|
| Straight wheels         | 224 |
| Straight & tapered cups | 242 |
| Dishes                  | 245 |
| Cylinders               | 246 |
| Segments                | 247 |

## PRECISION GRINDING APPLICATIONS

Thanks to Norton's technical expertise, bond and abrasive grain formulations are optimized to best suit the technical request of all precision operations. Our vitrified wheels are available in a variety of shapes, diameters and arbor

sizes available from stock or on request. They are intended to maximize your productivity by improving your grinding efficiency and part quality in surface, tool and cutter, ID and cylindrical grinding as well as sharpening applications.



### TOOL GRINDING

Tool grinding refers to the maintenance and repair of the cutting tools used in manufacturing operations. Wheels of all sizes and shapes are used in tool and cutter applications. Most wheels used are vitrified, in grit sizes 36 to 220, and in grades H through to N.



### SAW SHARPENING

Saw sharpening refers to the maintenance and repair of saw blades. Vitrified flat wheels and cups are used in grit sizes 54 to 60. Resin treatment reinforces the wheel and helps reduce wheel face deformation.



### SURFACE GRINDING

The term surface grinding is used to describe the grinding of flat surfaces in which the wheel moves past the workpiece in a flat plane, or vice versa. Surface grinding applications range can vary from heavy rapid stock removal, to precision contour grinding.



### EXTERNAL CYLINDRICAL GRINDING

Norton's leading technology, provides you with the best precision, formholding vitrified wheels to maximize productivity, increase grinding efficiency and improve part quality in all your external cylindrical grinding operations.



### INTERNAL CYLINDRICAL GRINDING

Internal grinding refers to the grinding of bores or holes and is probably one of the most difficult types of grinding. Internal grinding applications range from very rapid stock removal to more controlled processes capable of generating sizes and concentricity measured in microns.



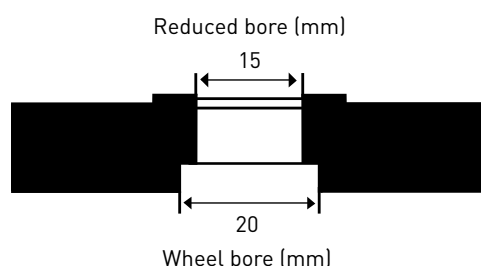
### BENCH AND PEDESTAL GRINDING

Bench and pedestal grinding application refers to offhand deburring and sharpening of parts and tools. The wheels are mounted on bench grinders or pedestal grinders and covers three types of abrasives to answer all deburring, shaping and sharpening needs: aluminum oxide for high speed tool steels and other metals, and silicon carbide for non-ferrous metals.

## REDUCTION RINGS

Plastic reduction rings may be used to adapt grinding wheels to fit on various spindle sizes. These rings reduce the bore hole size, allowing the wheel to be safely mounted on a spindle with a smaller diameter.

- Reduction rings should never come in contact with the flange
- Reduction rings should not be used on wheels of thicknesses less than 6mm, nor greater than 50mm
- Always use one reduction ring on each side of the wheel when the wheel is thick enough to allow correct seating
- Never use reduction rings to reduce the hole below the minimum specified in the FEPA safety code



| WHEEL BORE (mm) | REDUCED TO (mm) | ART NO.    |
|-----------------|-----------------|------------|
| 50,8            | 35              | 7660704766 |
| 32              | 25              | 7660717540 |
| 32              | 20              | 7660717538 |
| 31,75           | 15,88           | 7660704757 |
| 31,75           | 12,7            | 7660704755 |
| 20              | 16              | 7660717530 |
| 20              | 15              | 7660717529 |
| 20              | 13              | 7660717527 |
| 20              | 12              | 7660717525 |
| 20              | 10              | 7660717524 |
| 16              | 6               | 510008919  |



## NQ VS3

Engineered microcrystalline ceramic grain combined with our latest innovative bond

- A perfect blend of sharp grains for the ultimate free cutting action
- Enhanced bond adhesion and chemistry for a cooler cut and high speed material removal
- Unique, microcrystalline structure is self sharpening for long product life
- High profile accuracy and reduced dressing frequency



## NQ



Engineered microcrystalline ceramic grain

- A perfect blend of sharp grains for the ultimate free cutting action
- Unique, microcrystalline structure is self sharpening for long product life
- Can be used in all low, medium and high force applications
- Reduces the need for dressing

## SG VS3



An excellent ceramic grain with the latest bond innovation

- High concentration of SG ceramic aluminum oxide abrasive combined with our Vitrium<sup>3</sup> enhanced bond adhesion and chemistry
- Unique, microcrystalline structure is self sharpening for long product life
- Ultimate cutting capability
- High material removal rate whilst maintaining a high profile accuracy for reduced dressing

## 3SG / 5SG



Traditional ceramic microstructure grain

- Very high concentration of SG ceramic aluminium oxide abrasive for high removal rate & extended wheel life
- Unique, microcrystalline structure is self sharpening for long product life
- Very good cutting capabilities on very hard steels
- Perfect for technical applications where grinding parameters can be adjusted to optimise performance



## SGA / SGB



A blend with a low concentration of ceramic grain for good performance in a number of applications

- Harder & sharper than conventional abrasive grains for good cutting capabilities
- Very versatile for use on a number of steels
- Suitable for low to medium power machines



## 38A VS3



The latest bond innovation with conventional alumina grain

- High purity aluminium oxide abrasive for cool & burn free cutting
- Highly friable abrasive, versatile on hard metals (HRC >50)
- Ideal for heat sensitive applications with light to moderate feed rates
- Improved profile accuracy and wheel life



## GF



A low concentration of ceramic grain with durable aluminium oxide grain

- Good performance on common soft and medium steels



## 38A



High purity aluminium oxide abrasive

- Friable grain renews sharp cutting edges for good product life
- Good cut rate and reduced heat generation on hardened or high-speed tool steels
- Ideal for heat-sensitive applications ideally in low/medium pressure applications
- Ideal for use on all steel hardnesses



## 19A



A blend of brown and white aluminium oxides for good price vs. performance ratio

- Combines cutting efficiency and wheel life
- Very versatile, can be used on a wide variety of steels
- Good yield, good removal rate
- Good balance between cut rate & form holding ability



## 32A



Semi-friable brown aluminium oxide

- Tough grain maintains sharp edges for good wheel life
- Good profile holding reduces dressing needs
- For use on the most common soft/medium steels





## A +++

Brown aluminium oxide

- For soft steel removal, shaping and deburring
- Very tough, suitable for grinding most types of soft steels
- Good wheel life and hard wearing for general purpose cylindrical off-hand bench & pedestal grinding applications
- Good good price vs. performance ratio



## 39C +++

Highest purity green silicon carbide abrasive

- The most friable conventional abrasive grain. Harder & more friable than aluminium oxide abrasive
- For all general purpose bench and pedestal applications on non-ferrous materials and carbide tools.
- Ideal for high precision grinding & sharpening applications
- Good cut rate and finish on metal carbide & non-ferrous hard or heat sensitive materials



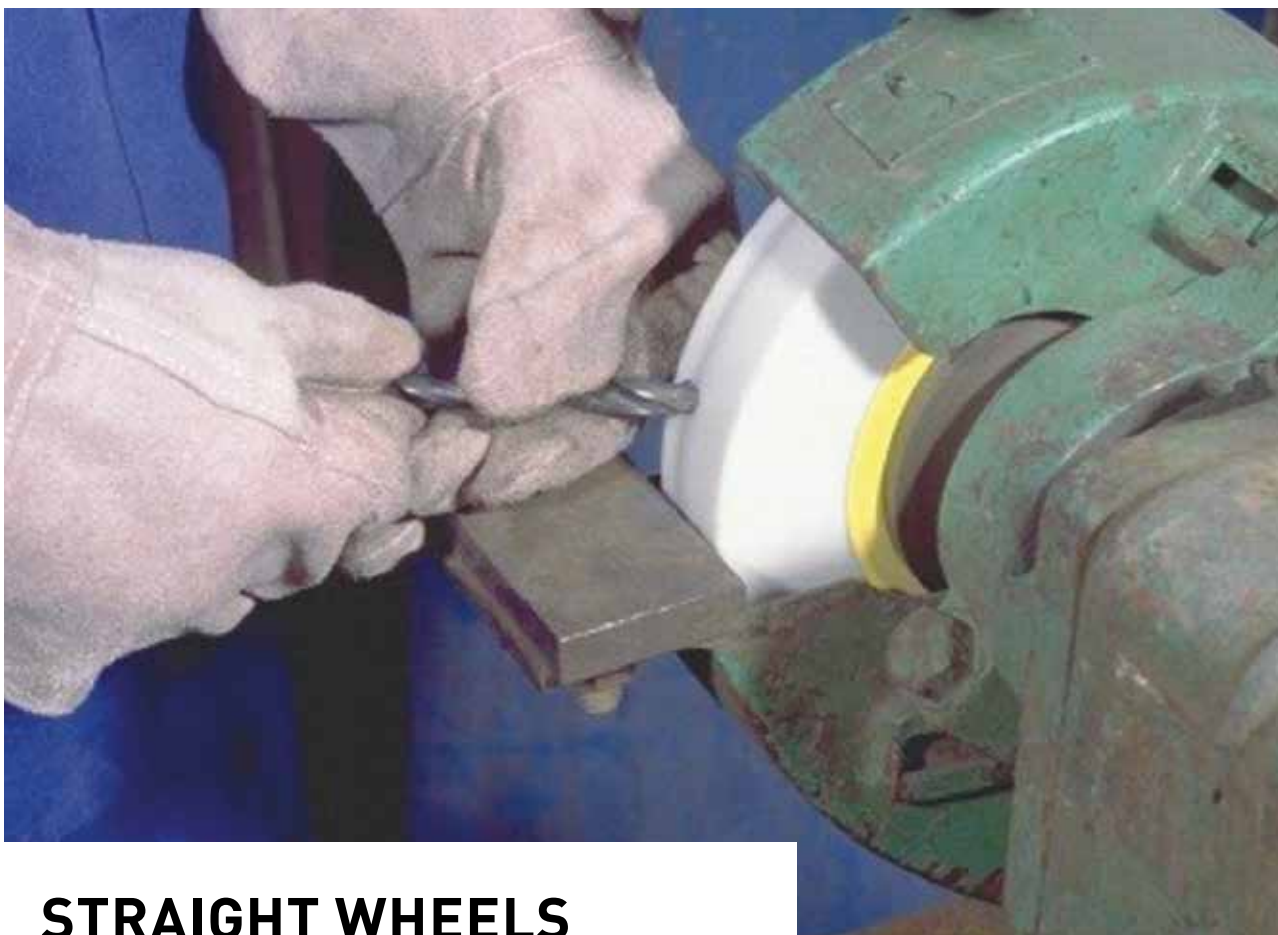
## 37C +++

High purity black silicon carbide abrasive

- Harder & more friable than aluminum oxide abrasive
- Suitable for roughing operations in coarse grit & resinoid wheels
- Ideal for grinding & sharpening applications on non-ferrous metals







## STRAIGHT WHEELS FOR PRECISION GRINDING

### PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| DIM DxDxH<br>(mm) | SHAPE | P  | FA | FB | Recess/Inner concave Diameter | Recess/Concave Depth A | Recess/Concave Depth B | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION  | MOS<br>(m/s) | ART. NO.    | PRICE  | PK<br>QTY | QUALITY<br>TIER |
|-------------------|-------|----|----|----|-------------------------------|------------------------|------------------------|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|----------------|--------------|-------------|--------|-----------|-----------------|
| 10x10x3,18        | 01    | -  | -  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 J VS3   | 63           | 66253355175 | £00,00 | 10        | +++++           |
| 13x13x4           | 01    | -  | -  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 5NQ 80 K VS3   | 35           | 66253348357 | £00,00 | 10        | +++++           |
| 13x13x4,76        | 01    | -  | -  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 J VS3   | 63           | 66253355176 | £00,00 | 10        | +++++           |
|                   | 05    | 6  | 6  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 J VS3   | 63           | 66253355177 | £00,00 | 10        | +++++           |
| 16x16x6           | 01    | -  | -  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 5NQ 80 J VQN   | 45           | 66253244881 | £00,00 | 10        | +++++           |
|                   | 01    | -  | -  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 3NQ 60 K VS3   | 35           | 66253348360 | £00,00 | 10        | +++++           |
|                   | 01    | -  | -  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 3NQ 60 L VQN   | 45           | 66253261880 | £00,00 | 10        | +++++           |
|                   | 05    | 10 | 8  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 5NQ 60 K 8 VS3 | 35           | 66253348333 | £00,00 | 10        | +++++           |
| 20x20x6           | 05    | 13 | 10 | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 5NQ 80 J VQN   | 45           | 66253244883 | £00,00 | 10        | +++++           |
|                   | 05    | 13 | 10 | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 5NQ 60 K VS3   | 35           | 66253348335 | £00,00 | 10        | +++++           |
|                   | 05    | 13 | 10 | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 K VX    | 45           | 69936681793 | £00,00 | 10        | +++++           |
|                   | 01    | -  | -  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 38A 60 K VS3   | 45           | 66253348355 | £00,00 | 10        | +++++           |
|                   | 01    | -  | -  | -  |                               |                        |                        |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 3NQ 60 L VQN   | 45           | 66253261903 | £00,00 | 10        | +++++           |

SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

#### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH (mm) | SHAPE | P  | FA | FB | Deburring & Sharpening | Grinding | Materials | SPECIFICATION  | MOS (m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|----|----|----|------------------------|----------|-----------|----------------|-----------|-------------|--------|--------|--------------|
| 20x20x6,35     | 01    | -  | -  | -  |                        |          |           | SGB 60 J 8 VS3 | 63        | 66253355179 | €00.00 | 10     | ++++         |
|                | 05    | 10 | 10 | -  |                        |          |           | SGB 60 J VS3   | 63        | 66253355181 | €00.00 | 10     | ++++         |
|                | 05    | 10 | 10 | -  |                        |          |           | 5NQ 60 K VQN   | 45        | 66253244884 | €00.00 | 10     | ++++         |
|                | 05    | 10 | 10 | -  |                        |          |           | 38A 60 L VS    | 35        | 69936621542 | €00.00 | 10     | +++          |
| 25x25x6,35     | 05    | 13 | 12 | -  |                        |          |           | SGB 60 J VS3   | 63        | 66253355182 | €00.00 | 10     | ++++         |
|                | 05    | 13 | 12 | -  |                        |          |           | 5NQ 80 I VQN   | 45        | 66253244885 | €00.00 | 10     | ++++         |
|                | 05    | 13 | 12 | -  |                        |          |           | 38A 60 K VS3   | 45        | 66253348349 | €00.00 | 10     | ++++         |
| 25x25x8        | 05    | 13 | 10 | -  |                        |          |           | SGB 60 K VX    | 45        | 69936681795 | €00.00 | 10     | ++++         |
|                | 05    | 13 | 12 | -  |                        |          |           | 5NQ 60 K VS3   | 35        | 66253348317 | €00.00 | 10     | ++++         |
|                | 05    | 13 | 12 | -  |                        |          |           | 3SG 80 L VS    | 35        | 69936639647 | €00.00 | 10     | ++++         |
|                | 05    | 13 | 10 | -  |                        |          |           | 5NQ 80 J VQN   | 45        | 66253244887 | €00.00 | 10     | ++++         |
| 32x25x8        | 05    | 13 | 10 | -  |                        |          |           | 5NQ 60 J VQN   | 45        | 66253244888 | €00.00 | 10     | ++++         |
| 32x32x8        | 05    | 16 | 16 | -  |                        |          |           | 5SG 60 K VS    | 35        | 69936639439 | €00.00 | 10     | ++++         |
| 32x32x9,53     | 05    | 16 | 16 | -  |                        |          |           | SGB 60 J 8 VS3 | 63        | 66253355183 | €00.00 | 10     | ++++         |
|                | 05    | 16 | 16 | -  |                        |          |           | 5NQ 80 I VQN   | 45        | 66253244898 | €00.00 | 10     | ++++         |
| 32x32x10       | 05    | 16 | 16 | -  |                        |          |           | SGB 60 J VX    | 45        | 69936676291 | €00.00 | 10     | ++++         |
|                | 05    | 16 | 16 | -  |                        |          |           | 5SG 60 K VS    | 35        | 69936639605 | €00.00 | 10     | ++++         |
|                | 05    | 16 | 16 | -  |                        |          |           | 38A 60 L VS    | 45        | 69936675118 | €00.00 | 10     | +++          |
| 40x25x9,53     | 05    | 20 | 12 | -  |                        |          |           | SGB 60 J VS3   | 63        | 66253355184 | €00.00 | 10     | ++++         |
|                | 05    | 20 | 12 | -  |                        |          |           | 5NQ 60 K VQN   | 45        | 66253244889 | €00.00 | 10     | ++++         |
| 40x25x10       | 05    | 16 | 12 | -  |                        |          |           | 5SG 60 K VS    | 35        | 69936639834 | €00.00 | 15     | ++++         |
|                | 05    | 16 | 12 | -  |                        |          |           | 5NQ 80 K VQN   | 45        | 66253244890 | €00.00 | 10     | ++++         |
| 40x32x10       | 05    | 20 | 16 | -  |                        |          |           | 5NQ 60 L VQN   | 45        | 66253244891 | €00.00 | 10     | ++++         |
| 40x40x10       | 05    | 16 | 20 | -  |                        |          |           | 5NQ 60 K VQN   | 45        | 66253244897 | €00.00 | 10     | ++++         |
|                | 05    | 16 | 20 | -  |                        |          |           | 5NQ 60 J VS3   | 35        | 66253348334 | €00.00 | 10     | ++++         |
| 40x40x12,7     | 05    | 20 | 20 | -  |                        |          |           | SGB 60 J VS3   | 63        | 66253355185 | €00.00 | 10     | ++++         |
| 50x40x12,7     | 05    | 25 | 20 | -  |                        |          |           | 5NQ 60 K VQN   | 45        | 66253244892 | €00.00 | 10     | ++++         |
|                | 05    | 25 | 20 | -  |                        |          |           | SGB 60 J VS3   | 63        | 66253355186 | €00.00 | 10     | ++++         |
| 50x40x16       | 05    | 25 | 20 | -  |                        |          |           | 5NQ 60 K VQN   | 45        | 66253244894 | €00.00 | 10     | ++++         |
|                | 05    | 25 | 20 | -  |                        |          |           | 5NQ 60 J VS3   | 35        | 66253348348 | €00.00 | 10     | ++++         |
| 63x10x20       | 01    | -  | -  | -  |                        |          |           | 38A 60 N VS    | 45        | 66253050376 | €00.00 | 10     | +++          |
| 63x40x12,7     | 05    | 32 | 20 | -  |                        |          |           | 5NQ 80 I VQN   | 45        | 66253244895 | €00.00 | 10     | ++++         |
|                | 05    | 32 | 20 | -  |                        |          |           | SGB 60 J VS3   | 63        | 66253355187 | €00.00 | 10     | ++++         |
|                | 05    | 32 | 20 | -  |                        |          |           | 38A 60 L VS    | 45        | 69936621565 | €00.00 | 10     | +++          |
| 70x7,1x17      | 01    | -  | -  | -  |                        |          |           | 3NQ 60 L VS3   | 35        | 66253348329 | €00.00 | 10     | ++++         |
| 76x25x12,7     | 01    | -  | -  | -  |                        |          |           | 39C 80 I V     | 45        | 66253052726 | €00.00 | 10     | +++          |
| 76x32x20       | 05    | 42 | 16 | -  |                        |          |           | 5NQ 60 J VQN   | 45        | 66253244896 | €00.00 | 10     | ++++         |
| 80x25x12,7     | 01    | -  | -  | -  |                        |          |           | 39C 60 M V     | 45        | 66253051624 | €00.00 | 10     | +++          |
| 80x25x13       | 01    | -  | -  | -  |                        |          |           | 37C 60 N V     | 35        | 69936668764 | €00.00 | 10     | +++          |
|                | 01    | -  | -  | -  |                        |          |           | 39C 60 M V     | 45        | 66253051623 | €00.00 | 10     | +++          |
| 100x10x20      | 01    | -  | -  | -  |                        |          |           | 38A 60 M VS    | 35        | 69936640015 | €00.00 | 5      | +++          |

# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

Highly recommended ●

Recommended ○

| DIM DxDxH (mm) | SHAPE | P | FA | FB | Recess/Inner concave Diameter | Recess/Concave Depth A | Recess/Concave Depth B | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION | MOS (m/s) | ART. NO.                 | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|---|----|----|-------------------------------|------------------------|------------------------|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|---------------|-----------|--------------------------|--------|--------|--------------|
| 100x10x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           | ○           | ●    | ●                     |           | 39C 80 L VS   | 45        | 66253050380              | €00.00 | 2      | +++          |
| 100x13x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS   | 45        | 66253050409              | €00.00 | 1      | +++          |
| 100x20x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS   | 45        | 66253050413              | €00.00 | 1      | +++          |
| 125x6x32       | 01    | - | -  | -  | ●                             |                        |                        |       | ●              |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS   | 45        | 66253050440              | €00.00 | 2      | +++          |
| 125x10x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS   | 45        | 69936675731              | €00.00 | 1      | +++          |
| 125x13x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 60 J VX   | 45        | 66253050290              | €00.00 | 2      | +++++        |
| 125x16x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 M VS   | 45        | 66253050237              | €00.00 | 2      | +++          |
| 125x20x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 80 L VS   | 45        | 66253050393              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 60 K VS   | 45        | 66253349665 <sup>+</sup> | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 80 L VS   | 45        | 69936667443              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       | ○         | 38A 46 N VS   | 45        | 66253353101 <sup>+</sup> | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         |                           | ●           |      |                       |           | A 46 N VS     | 45        | 69936675558              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS     | 45        | 69936666909              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 80 K VS   | 45        | 66253349650 <sup>+</sup> | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS     | 45        | 66253349649 <sup>+</sup> | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 K VS   | 45        | 66253050620              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       | ○         | 38A 60 N VS   | 45        | 66253349669 <sup>+</sup> | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS   | 45        | 69936675736              | €00.00 | 2      | +++          |
| 150x3x30       | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 L VS3  | 50        | 66243541074              | €00.00 | 5      | +++++        |
| 150x3x32       | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 L VS3  | 50        | 66243541080              | €00.00 | 5      | +++++        |
| 150x3,2x32     | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         |                           | ●           |      |                       |           | 19A 60 M VS   | 63        | 69936675941              | €00.00 | 2      | +++          |
| 150x4x20       | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 100 M VS  | 45        | 69936640219              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 L VS3  | 63        | 66243541077              | €00.00 | 5      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 N VS   | 45        | 69936676720              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS   | 45        | 69936675591              | €00.00 | 1      | +++          |
| 150x4x30       | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 N VS   | 45        | 69936639730              | €00.00 | 1      | +++          |
| 150x4x32       | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         |                           | ●           |      |                       |           | 19A 60 M VS   | 63        | 69936674920              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 120 K VS  | 45        | 66253050248              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 L VS3  | 63        | 66243541079              | €00.00 | 5      | +++++        |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 80 K VS3  | 63        | 66243541066              | €00.00 | 5      | +++++        |
|                | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         |                           | ●           |      |                       |           | 19A 60 O VS   | 63        | 69936675946              | €00.00 | 2      | +++          |
| 150x6x31,75    | 01    | - | -  | -  |                               |                        |                        | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       | ○         | 38A 80 L VS   | 35        | 69936621582              | €00.00 | 2      | +++          |
| 150x6x32       | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           | ●           |      |                       |           | 19A 60 M VS   | 63        | 69936675964              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 80 L VX   | 45        | 66253054873              | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 80 K VS3  | 63        | 66243541083              | €00.00 | 5      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 60 L VX   | 45        | 66253055040              | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 K VS3  | 63        | 66243541070              | €00.00 | 5      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS   | 35        | 69936675741              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           |             |      | ●                     |           | 39C 120 K VS  | 45        | 69936675617              | €00.00 | 2      | +++          |
| 150x6x38       | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 K VS3  | 63        | 66243541082              | €00.00 | 5      | +++++        |

SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH (mm) | SHAPE | P | FA | FB | Deburring & Sharpening | Grinding | Materials | SPECIFICATION | MOS (m/s) | ART. NO.                 | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|---|----|----|------------------------|----------|-----------|---------------|-----------|--------------------------|--------|--------|--------------|
| 150x8x32       | 01    | - | -  | -  | ●                      |          | ● ○       | 3SG 60 J VX   | 45        | 66253055041              | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 120 J VS  | 45        | 69936675748              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 60 L VS   | 45        | 69936675743              | €00.00 | 2      | +++          |
| 150x10x32      | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 46 M VS   | 45        | 66253050261              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ● ○       | SGB 60 K VS3  | 63        | 66243541072              | €00.00 | 5      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 120 J VS  | 45        | 69936675749              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 60 K VS   | 45        | 66253051070              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ● ○       | 3SG 60 L VX   | 45        | 66253050280              | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ● ●       | 39C 80 K VS   | 45        | 66253050357              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 60 L VS   | 45        | 69936675744              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 100 M VS  | 45        | 66253050371              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ● ●       | 39C 120 K VS  | 45        | 69936675629              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 80 M VS   | 45        | 66253050373              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 60 M VS   | 45        | 69936641112              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 60 K VS3  | 63        | 66253353664              | €00.00 | 2      | +++++        |
| 150x13x31,75   | 01    | - | -  | -  | ●                      |          | ○ ●       | 39C 60 K VS   | 35        | 69936621564              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        | ●        | ● ○ ●     | 3SG 60 K VS   | 50        | 69936622862              | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ○ ●       | 38A 60 L VS   | 35        | 69936675757              | €00.00 | 1      | +++          |
| 150x13x32      | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 46 L VS   | 45        | 69936675754              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ● ○       | 3SG 46 H VX   | 45        | 66253054863              | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 60 N VS   | 45        | 69936675758              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 80 L VS   | 45        | 69936675759              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 60 L VS   | 35        | 69936639340              | €00.00 | 4      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ● ○       | 3SG 60 L VX   | 45        | 66253050142              | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 120 J VS  | 45        | 69936675760              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 80 L VS   | 45        | 69936675767              | €00.00 | 1      | +++          |
| 150x16x32      | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 60 L VS   | 45        | 69936675764              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 38A 46 L VS   | 45        | 69936675763              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ● ●       | 39C 80 L VS   | 45        | 69936675657              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        | ●        | ● ●       | A 46 N VS     | 45        | 69936675560              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ○ ●       | 3SG 60 L VX   | 45        | 66253050367              | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ● ●       | 39C 120 K VS  | 45        | 69936675659              | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        | ●        | ● ●       | 39C 80 K VS   | 45        | 66253338115 <sup>+</sup> | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        | ●        | ● ●       | 39C 60 K VS   | 45        | 66253338114 <sup>+</sup> | €00.00 | 2      | +++          |

# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| DIM DxDxH<br>(mm) | SHAPE | P | FA | FB | Recess/Inner concave Diameter |                        |  | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION | MOS<br>(m/s) | ART. NO.                 | PRICE  | PK QTY | QUALITY TIER |
|-------------------|-------|---|----|----|-------------------------------|------------------------|--|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|---------------|--------------|--------------------------|--------|--------|--------------|
|                   |       |   |    |    | Recess/Concave Depth A        | Recess/Concave Depth B |  |       |                |              |                   |                   |         |                           |             |      |                       |           |               |              |                          |        |        |              |
| 150x20x31,75      | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           | ●    |                       |           | 39C 100 K VS  | 35           | 69936623221              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS     | 35           | 69936623470              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS     | 35           | 69936623302              | £00.00 | 5      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 K VS3  | 63           | 66253353966              | £00.00 | 1      | +++++        |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 46 N VS     | 45           | 66253338084 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS     | 45           | 66253338085 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 46 N VS     | 35           | 69936623469              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 O VS     | 45           | 66253338143 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 60 K VS   | 35           | 69936623474              | £00.00 | 2      | +++          |
| 150x20x32         | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 P VS     | 45           | 69936641366              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS     | 45           | 66253349668 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 100 J VX  | 45           | 66253049895              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      | ●                     |           | 39C 80 K VS   | 45           | 66253349671 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 O VS     | 45           | 66253349672 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS   | 45           | 69936641391              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 100 J VS  | 45           | 66243570493              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 K 6 VS | 45           | 66253051067              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 46 N VS     | 45           | 66253349675 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 60 K VX   | 45           | 66253050155              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         | ○                         | ●           |      |                       | ○         | 38A 46 N VS   | 45           | 66253349676 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 80 L VS   | 45           | 69936641413              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 K 5 VS | 45           | 66253051065              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 46 M VS   | 45           | 66253050372              | £00.00 | 1      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 N VS   | 45           | 69936641392              | £00.00 | 1      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 120 K VS  | 45           | 69936641414              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 L VS   | 45           | 69936639416              | £00.00 | 1      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         | ○                         | ●           |      | ○                     |           | 38A 60 N VS   | 45           | 66253349678 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 60 K VS   | 45           | 69936641411              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           | ●    |                       |           | 39C 60 K VS   | 45           | 66253349670 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 120 K VS  | 45           | 66253352745 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS     | 45           | 69936641368              | £00.00 | 2      | +++          |
| 150x25x20         | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 80 K VS   | 35           | 69936641429              | £00.00 | 4      | +++          |
| 150x25x32         | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 Q VS     | 45           | 66253050265              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 P VS     | 45           | 69936666914              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 M VS   | 45           | 66253050381              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 80 K VS   | 45           | 66253050278              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 46 N VS     | 45           | 69936641370              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 K VS   | 45           | 66253050452              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 120 K VS  | 45           | 69936675664              | £00.00 | 2      | +++          |
| 150x25x32         | 01    | - | -  | -  |                               |                        |  | ●     |                |              |                   |                   |         |                           | ●           | ●    |                       |           | 39C 60 K VS   | 45           | 69936675661              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |                        |  |       | ●              |              |                   |                   |         |                           | ●           | ●    |                       |           | 39C 60 K VS   | 45           | 66253349679 <sup>+</sup> | £00.00 | 2      | +++          |



SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

#### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH (mm) | SHAPE | P | FA | FB | Deburring & Sharpening | Grinding | Materials | SPECIFICATION   | MOS (m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|---|----|----|------------------------|----------|-----------|-----------------|-----------|-------------|--------|--------|--------------|
| 175x3x51       | 01    | - | -  | -  | ●                      |          | ●         | 38A 60 L VS3    | 50        | 66243541075 | €00.00 | 5      | +++++        |
| 175x4x51       | 01    | - | -  | -  | ●                      |          | ●         | 19A 60 M VS     | 63        | 66253052709 | €00.00 | 6      | +++          |
| 175x6x51       | 01    | - | -  | -  | ●                      |          | ●         | 38A 60 L VS3    | 63        | 66243541069 | €00.00 | 5      | +++++        |
| 180x6x31,75    | 01    | - | -  | -  | ●                      |          | ●         | 38A 60 K VS3    | 63        | 66253353968 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ●         | 38A 46 K VS3    | 63        | 66253353969 | €00.00 | 2      | +++++        |
| 180x6x32       | 01    | - | -  | -  |                        | ●        | ●         | 3SG 120 K VS    | 35        | 69936676015 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ●         | 38A 60 L VS     | 45        | 69936675784 | €00.00 | 2      | +++          |
| 180x10x32      | 01    | - | -  | -  | ●                      |          | ●         | 38A 80 J VS     | 45        | 69936675781 | €00.00 | 1      | +++          |
| 180x13x31,75   | 01    | - | -  | -  |                        | ●        | ●         | SGA 60 K VS     | 50        | 66253121997 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | SGB 70 H 12 VXP | 50        | 69936623463 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | 39C 100 J VS    | 35        | 69936623248 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        | ●        | ●         | SGB 46 K VX     | 50        | 69936623240 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | 3SG 60 K VS     | 50        | 69936623231 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | 38A 80 L VS     | 35        | 69936623239 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        | ●        | ●         | 38A 60 J VS     | 35        | 69936623266 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        | ●        | ●         | 3SG 46 K VS     | 50        | 69936623227 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | SGB 60 K VX     | 50        | 69936623255 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | 38A 100 L VS    | 35        | 69936623220 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ●         | 38A 46 K VS3    | 63        | 66253353972 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | 3SG 100 J VS    | 50        | 69936623276 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | SGA 46 K VX     | 50        | 66253121996 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ●         | 38A 60 K VS3    | 63        | 66253353974 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | 38A 46 J VS     | 35        | 69936623274 | €00.00 | 2      | +++          |
| 180x13x32      | 01    | - | -  | -  | ●                      |          | ●         | 38A 80 L VS     | 45        | 69936675801 | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ●         | 38A 60 L VS     | 45        | 69936675797 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ●         | 3SG 80 J VX     | 45        | 66253054892 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | 3NQ 60 I VS3    | 35        | 66253348361 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ●         | SGB 60 J VX     | 45        | 69936639148 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ●         | 38A 120 J VS    | 45        | 69936675802 | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ●         | 2NQ 46 I VS3    | 45        | 66253348363 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                      |          | ●         | 3SG 120 J VX    | 45        | 66253054874 | €00.00 | 2      | +++++        |
| 180x16x32      | 01    | - | -  | -  |                        | ●        | ●         | 3SG 60 H 12 VXP | 35        | 69936677179 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        | ●        | ●         | 38A 46 J VS     | 35        | 69936675806 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ●         | 38A 60 K VS     | 45        | 66253050453 | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                      |          | ●         | SGB 70 G 12 VXP | 45        | 69936639169 | €00.00 | 2      | +++++        |

# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| DIM DxDxH<br>(mm) | SHAPE | P   | FA | FB | Recess/Inner concave Diameter |  |  | Recess/Concave Depth A |  |  | Recess/Concave Depth B |  |  | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloy steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION   | MOS<br>(m/s) | ART. NO.                 | PRICE  | PK QTY | QUALITY TIER |
|-------------------|-------|-----|----|----|-------------------------------|--|--|------------------------|--|--|------------------------|--|--|-------|----------------|--------------|-------------------|-------------------|---------|-------------------------|-------------|------|-----------------------|-----------|-----------------|--------------|--------------------------|--------|--------|--------------|
|                   |       |     |    |    |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           |                 |              |                          |        |        |              |
| 180x20x31,75      | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 39C 60 K VS     | 35           | 69936623477              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 46 L VS     | 35           | 69936623312              | £00.00 | 2      | +++          |
|                   | 05    | 100 | 6  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 3SG 60 J VS     | 35           | 69936639808              | £00.00 | 2      | +++++        |
|                   | 05    | 100 | 6  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 60 J VS     | 35           | 69936640226              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 3SG 46 K VS     | 50           | 69936623242              | £00.00 | 2      | +++++        |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 60 K VX     | 50           | 69936623480              | £00.00 | 2      | +++++        |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 60 L VS     | 35           | 69936623472              | £00.00 | 2      | +++          |
| 180x20x32         | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | A 60 N VS       | 45           | 66253352810 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 39C 60 K VS     | 45           | 69936641415              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | A 46 N VS       | 45           | 66253352809 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 39C 120 K VS    | 45           | 69936675666              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 60 J VS     | 45           | 69936675810              | £00.00 | 1      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 60 H 10 VXP | 45           | 69936639170              | £00.00 | 2      | +++++        |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 39C 120 K VS    | 45           | 66253353168 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 39C 80 L VS     | 45           | 69936676582              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 3SG 60 H 12 VXP | 35           | 66243593654              | £00.00 | 2      | +++++        |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | A 46 N VS       | 45           | 69936641372              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 46 H 10 VXP | 45           | 69936638723              | £00.00 | 2      | +++++        |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 60 K VX     | 45           | 66253049878              | £00.00 | 2      | +++++        |
| 180x25x31,75      | 05    | 105 | 12 | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 60 J VS     | 35           | 69936621557              | £00.00 | 2      | +++          |
|                   | 05    | 105 | 12 | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 46 J VS     | 35           | 69936621529              | £00.00 | 2      | +++          |
|                   | 05    | 105 | 12 | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 60 K 6 VS3  | 63           | 66253354035              | £00.00 | 2      | +++++        |
|                   | 05    | 105 | 12 | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 60 L VS     | 35           | 69936621526              | £00.00 | 2      | +++          |
|                   | 05    | 105 | 12 | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 46 K 6 VS3  | 63           | 66253354036              | £00.00 | 2      | +++++        |
|                   | 05    | 105 | 13 | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 46 K VX     | 50           | 69936621605              | £00.00 | 2      | +++++        |
|                   | 05    | 105 | 13 | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 3SG 46 K VS     | 50           | 69936621519              | £00.00 | 2      | +++++        |
|                   | 05    | 105 | 13 | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 3SG 60 K VS     | 50           | 69936621570              | £00.00 | 2      | +++++        |
| 180x25x32         | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | A 46 N VS       | 45           | 69936675564              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 39C 60 K VS     | 45           | 69936675667              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 39C 80 L VS     | 45           | 69936667101              | £00.00 | 2      | +++          |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 60 L VS     | 45           | 69936675812              | £00.00 | 2      | +++          |
| 200x1,5x32        | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 80 K 6 VS3  | 50           | 66253354585              | £00.00 | 5      | +++++        |
| 200x2x32          | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 80 K 6 VS3  | 50           | 66253354586              | £00.00 | 5      | +++++        |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 80 L VS3    | 50           | 66243541085              | £00.00 | 5      | +++++        |
| 200x2,5x32        | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 80 K 6 VS3  | 50           | 66253354587              | £00.00 | 5      | +++++        |
| 200x3x32          | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 80 L VS3    | 50           | 66243541084              | £00.00 | 5      | +++++        |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 80 K 6 VS3  | 50           | 66253354588              | £00.00 | 5      | +++++        |
| 200x4x32          | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | SGB 80 K VS3    | 63           | 66243541087              | £00.00 | 5      | +++++        |
|                   | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 19A 60 O VS     | 63           | 69936675986              | £00.00 | 6      | +++          |
| 200x6x20          | 01    | -   | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                         |             |      |                       |           | 38A 60 L VS3    | 63           | 66243541081              | £00.00 | 5      | +++++        |

SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

#### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH (mm) | SHAPE | P | FA | FB | Deburring & Sharpening | Grinding | Materials | SPECIFICATION  | MOS (m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|---|----|----|------------------------|----------|-----------|----------------|-----------|-------------|--------|--------|--------------|
| 200x6x31,75    | 01    | - | -  | -  |                        |          |           | 38A 120 I VS   | 35        | 69936640156 | €00.00 | 2      | +++          |
| 200x6x32       | 01    | - | -  | -  |                        |          |           | 38A 80 N VS    | 45        | 69936639662 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 19A 60 M VS    | 63        | 69936675988 | €00.00 | 6      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 M VS    | 45        | 66253050455 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        |          |           | SGB 60 K VS3   | 63        | 66243541086 | €00.00 | 5      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 39C 120 K VS   | 45        | 69936675636 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        |          |           | SGB 120 J VX   | 45        | 69936677029 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 K VS3   | 63        | 66243541076 | €00.00 | 5      | +++++        |
| 200x8x20       | 01    | - | -  | -  |                        |          |           | 38A 60 L VS3   | 63        | 66243541090 | €00.00 | 5      | +++++        |
| 200x8x32       | 01    | - | -  | -  |                        |          |           | SGB 60 K VS3   | 63        | 66243541088 | €00.00 | 5      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 19A 60 M VS    | 63        | 69936675990 | €00.00 | 6      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 M VS    | 63        | 69936658078 | €00.00 | 1      | +++          |
|                | 01C   | - | -  | -  |                        |          |           | 38A 60 L 6 VS3 | 35        | 69210431430 | €00.00 | 5      | +++++        |
| 200x10x20      | 01    | - | -  | -  |                        |          |           | 38A 60 L VS3   | 63        | 66243541091 | €00.00 | 5      | +++++        |
| 200x10x32      | 01    | - | -  | -  |                        |          |           | 38A 120 J VS   | 45        | 69936675819 | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 39C 100 K VS   | 35        | 69936639461 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 L VS3   | 63        | 66253348277 | €00.00 | 1      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 L VS    | 45        | 69936675818 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        |          |           | SGB 80 J VX    | 45        | 69936639158 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | SGB 60 J VX    | 45        | 69936639157 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 39C 120 K VS   | 45        | 69936675637 | €00.00 | 2      | +++          |
| 200x13x31,75   | 01    | - | -  | -  |                        |          |           | 38A 60 K VS3   | 63        | 66253354044 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 3SG 60 K VS    | 50        | 69936623241 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | SGA 46 K VX    | 50        | 66253122005 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 3SG 46 K VS    | 50        | 69936623236 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 38A 120 I VS   | 35        | 69936641286 | €00.00 | 4      | +++          |
| 200x13x32      | 01    | - | -  | -  |                        |          |           | SGB 60 J VX    | 45        | 69936639160 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 19A 60 M VS    | 63        | 69936675994 | €00.00 | 6      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 L VS    | 45        | 69936675823 | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 J VS    | 45        | 69936675821 | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 39C 80 J VS    | 45        | 69936676152 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        |          |           | SGB 120 J VX   | 45        | 69936676608 | €00.00 | 2      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 L VS3   | 63        | 66253348352 | €00.00 | 1      | +++++        |
| 200x16x76,2    | 01    | - | -  | -  |                        |          |           | 38A 60 L VS    | 45        | 69936675827 | €00.00 | 2      | +++          |
| 200x20x20      | 01    | - | -  | -  |                        |          |           | 39C 80 K VS    | 45        | 69936641417 | €00.00 | 2      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 39C 80 M VS    | 45        | 69936640220 | €00.00 | 2      | +++          |

# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| DIM DxDxH<br>(mm) | SHAPE | P | FA | FB | Recess/Inner concave Diameter |  |  | Recess/Concave Depth A |  |  | Recess/Concave Depth B |  |  | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION   | MOS<br>(m/s) | ART. NO.                 | PRICE  | PK QTY | QUALITY TIER |
|-------------------|-------|---|----|----|-------------------------------|--|--|------------------------|--|--|------------------------|--|--|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|-----------------|--------------|--------------------------|--------|--------|--------------|
|                   |       |   |    |    |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           |                 |              |                          |        |        |              |
| 200x20x31,75      | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | SGB 70 H 12 VXP | 50           | 69936623902              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 80 K VS     | 45           | 66253338126 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 3SG 46 K VX     | 50           | 69936623774              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 60 K VS3    | 63           | 66253354038              | £00.00 | 1      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | A 60 N VS       | 35           | 69936623591              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | A 46 N VS       | 45           | 66253338086 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 60 K VS     | 45           | 66253338125 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | A 46 N VS       | 35           | 69936623592              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 46 K VS3    | 63           | 66253354039              | £00.00 | 2      | +++++        |
| 200x20x32         | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 80 K VS     | 45           | 69936676351              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | SGB 60 K VX     | 45           | 66253049887              | £00.00 | 5      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 80 K VS     | 45           | 66253349681 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 60 K VS     | 45           | 66253349667 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | A 60 N VS       | 45           | 69936666929              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 3SG 60 H 12 VXP | 45           | 69936677181              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 46 N VS     | 45           | 69936641400              | £00.00 | 1      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 60 K VS     | 45           | 66253051077              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | SGB 46 H VX     | 45           | 69936639171              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 60 K VS     | 45           | 69936641418              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | SGB 60 H 10 VXP | 45           | 69936639172              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | A 46 N VS       | 45           | 69936641375              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 3NQ 46 J VQN    | 45           | 66253261995              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 80 K VS     | 45           | 66253051080              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | A 30 P VS       | 45           | 69936675566              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 2NQ 60 I 8 VS3  | 45           | 66253357059              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 60 L VS     | 35           | 69936641402              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 46 H VS     | 45           | 69936675551              | £00.00 | 1      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 37C 60 K 6 VK   | 35           | 69210431674              | £00.00 | 5      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 60 N VS     | 45           | 69936667154              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 120 K VS    | 45           | 66253352813 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 46 K VS     | 45           | 66253349680 <sup>+</sup> | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 39C 120 K VS    | 45           | 69936641421              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 46 K VS     | 45           | 66253051075              | £00.00 | 2      | +++          |
| 200x20x50         | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 3SG 60 J VX     | 45           | 66253050362              | £00.00 | 2      | +++++        |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 46 K VS     | 45           | 69936641104              | £00.00 | 2      | +++          |
|                   | 01    | - | -  | -  |                               |  |  |                        |  |  |                        |  |  |       |                |              |                   |                   |         |                           |             |      |                       |           | 38A 60 J VS     | 35           | 69936639462              | £00.00 | 2      | +++          |



SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

#### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxTxH (mm) | SHAPE | P   | FA | FB | Deburring & Sharpening | Grinding | Materials | SPECIFICATION   | MOS (m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|-----|----|----|------------------------|----------|-----------|-----------------|-----------|-------------|--------|--------|--------------|
| 200x20x50,8    | 01    | -   | -  | -  | ●                      |          | ●         | 38A 60 H VS     | 45        | 69936675834 | €00.00 | 1      | +++          |
|                | 01    | -   | -  | -  | ●                      |          | ●         | 38A 60 K VS     | 45        | 66253049967 | €00.00 | 1      | +++          |
|                | 01    | -   | -  | -  | ●                      |          | ●         | 3SG 60 H 12 VXP | 45        | 66243593696 | €00.00 | 2      | +++++        |
|                | 01    | -   | -  | -  | ●                      |          | ●         | 38A 46 J VS     | 45        | 69936675832 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                      |          | ●         | 3SG 46 I 12 VXP | 45        | 66253052711 | €00.00 | 2      | +++++        |
|                | 01    | -   | -  | -  |                        | ●        | ●         | 3SG 46 K VS     | 50        | 69936623654 | €00.00 | 2      | +++++        |
| 200x20x51      | 01    | -   | -  | -  | ●                      |          | ●         | 39C 60 K VS     | 45        | 69936640176 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                      |          | ●         | SGB 60 J VX     | 45        | 69936639251 | €00.00 | 2      | ++++         |
| 200x20x76,2    | 01    | -   | -  | -  | ●                      |          | ●         | 3SG 46 H VX     | 45        | 66253050156 | €00.00 | 2      | +++++        |
|                | 01    | -   | -  | -  | ●                      |          | ●         | 38A 60 L VS     | 45        | 69936675836 | €00.00 | 1      | +++          |
| 200x25x20      | 01    | -   | -  | -  |                        | ●        | ●         | 38A 60 M VS     | 35        | 69936641405 | €00.00 | 4      | +++          |
|                | 01    | -   | -  | -  |                        | ●        | ●         | 39C 80 K VS     | 35        | 69936641422 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                      |          | ●         | 38A 60 K 5 VBE  | 35        | 69210432867 | €00.00 | 0      | +++          |
| 200x25x31,75   | 01    | -   | -  | -  |                        | ●        | ●         | A 36 P VS       | 35        | 69936623910 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                      |          | ●         | A 60 N VS       | 35        | 69936623913 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                      |          | ●         | A 46 N VS       | 35        | 69936623911 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        | ●        | ●         | 38A 60 L VS     | 35        | 69936623794 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        | ●        | ●         | 39C 60 K VS     | 35        | 69936623912 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        | ●        | ●         | 39C 100 K VS    | 35        | 69936623599 | €00.00 | 2      | +++          |
|                | 05    | 110 | 10 | -  |                        | ●        | ●         | 3SG 60 G VSPF   | 35        | 69936640304 | €00.00 | 2      | +++++        |
|                | 05    | 105 | 13 | -  |                        | ●        | ●         | 3SG 60 K VS     | 50        | 69936621575 | €00.00 | 2      | +++++        |

†  **neon**





# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| DIM DxTxH (mm) | SHAPE | P   | FA | FB | Recess/Inner concave Diameter | Recess/Concave Depth A | Recess/Concave Depth B | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | Deburring & Sharpening | Grinding | Materials | SPECIFICATION | MOS (m/s) | ART. NO.                 | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|-----|----|----|-------------------------------|------------------------|------------------------|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|------------------------|----------|-----------|---------------|-----------|--------------------------|--------|--------|--------------|
| 200x25x32      | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ○           | ●    | ●                     |           |                        |          |           | 39C 80 K VS   | 45        | 66253349687 <sup>+</sup> | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 80 K VS   | 45        | 66253051082              | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           |      |                       |           |                        |          |           | A 46 M VS     | 45        | 66253050271              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           |      |                       |           |                        |          |           | A 46 N VS     | 45        | 66253349684 <sup>+</sup> | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 46 N VS   | 45        | 69936641406              | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 60 M VS   | 35        | 69936639846              | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           | ●    |                       |           |                        |          |           | 39C 60 K VS   | 45        | 66253349685 <sup>+</sup> | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 60 L VS   | 45        | 69936641407              | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                | ●            |                   |                   |         |                           | ●           |      |                       |           |                        |          |           | A 24 R VS     | 45        | 69936676374              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           | ●           | ●    |                       |           |                        |          |           | 39C 46 L VS   | 45        | 69936675639              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           |      |                       |           |                        |          |           | A 60 N VS     | 45        | 66253349707 <sup>+</sup> | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         | ○                         | ●           |      |                       | ○         |                        |          |           | 38A 46 N VS   | 45        | 66253353105 <sup>+</sup> | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 80 N VS   | 45        | 69936675847              | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 60 M VS   | 45        | 66253051079              | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           |                        |          |           | 3SG 60 J VX   | 45        | 66253054889              | £00.00 | 2      | +++++        |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           |      |                       |           |                        |          |           | A 36 O VS     | 45        | 66253349686 <sup>+</sup> | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           | ●    | ●                     |           |                        |          |           | 39C 46 K VS   | 45        | 66253349683 <sup>+</sup> | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         | ○                         | ●           |      |                       | ○         |                        |          |           | 38A 60 N VS   | 45        | 66253353085 <sup>+</sup> | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           | ●           | ●    | ●                     |           |                        |          |           | 39C 120 K VS  | 45        | 69936641428              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           |                        |          |           | SGB 60 K VX   | 45        | 66253049888              | £00.00 | 2      | +++++        |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           |      |                       |           |                        |          |           | A 36 P VS     | 45        | 69936641383              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           | ●           | ●    | ●                     |           |                        |          |           | 39C 100 J VS  | 45        | 66253050375              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           | ●           | ●    | ●                     |           |                        |          |           | 39C 80 K VS   | 45        | 66253050276              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           |      |                       |           |                        |          |           | A 30 P VS     | 45        | 69936641382              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 100 J VS  | 45        | 66243570496              | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           | ●           | ●    | ●                     |           |                        |          |           | 39C 60 K VS   | 45        | 69936641424              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           |      |                       |           |                        |          |           | A 36 Q VS     | 45        | 66253050267              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           | ●    | ●                     |           |                        |          |           | 39C 80 L VS   | 35        | 69936641427              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 46 L VS   | 45        | 69936627127              | £00.00 | 1      | +++          |
| 200x25x50      | 05    | 110 | 10 | -  |                               |                        |                        |       |                |              |                   |                   | ●       | ●                         | ○           |      |                       |           |                        |          |           | 3SG 60 I VS   | 35        | 69936639454              | £00.00 | 2      | +++++        |
| 200x25x50,8    | 01    | -   | -  | -  |                               |                        |                        |       |                | ●            |                   |                   |         |                           | ●           | ●    | ●                     |           |                        |          |           | 39C 80 K VS   | 45        | 66253338098 <sup>+</sup> | £00.00 | 2      | +++          |
| 200x25x50,8    | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           |                        |          |           | SGB 46 K VX   | 45        | 66253050183              | £00.00 | 2      | +++++        |
| 200x25x51      | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 46 K VS   | 45        | 66253051086              | £00.00 | 2      | +++          |
|                | 01    | -   | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           |                        |          |           | 38A 60 L VS   | 45        | 69936640125              | £00.00 | 2      | +++          |

<sup>+</sup>  

SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH (mm) | SHAPE | P   | FA | FB | Deburring & Sharpening | Grinding | Materials | SPECIFICATION   | MOS (m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|-----|----|----|------------------------|----------|-----------|-----------------|-----------|-------------|--------|--------|--------------|
| 200x25x76,2    | 01    | -   | -  | -  |                        |          |           | A 46 N VS       | 45        | 69936675568 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 L VS     | 35        | 69936675845 | €00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 39C 120 K VS    | 45        | 69936675674 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 46 L VS     | 35        | 69936675842 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 39C 80 L VS     | 45        | 69936675673 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 46 N VS     | 45        | 69936675841 | €00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 39C 80 K VS     | 35        | 69936675641 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 39C 60 K VS     | 45        | 69936675672 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 N VS     | 45        | 69936675846 | €00.00 | 1      | +++          |
| 200x32x32      | 01    | -   | -  | -  |                        |          |           | 38A 46 M VS     | 45        | 66253052712 | €00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | SGB 60 K VX     | 45        | 66253049892 | €00.00 | 2      | ++++         |
|                | 01    | -   | -  | -  |                        |          |           | 39C 120 K VS    | 45        | 69936675677 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | A 36 P VS       | 45        | 69936666932 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 39C 60 K VS     | 45        | 69936640293 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | A 60 N VS       | 45        | 69936690246 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 L VS     | 45        | 69936675855 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 39C 80 K VS     | 45        | 69936667106 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | A 46 N VS       | 45        | 69936640814 | €00.00 | 2      | +++          |
| 200x32x51      | 01    | -   | -  | -  |                        |          |           | 38A 60 L VS     | 45        | 69936640245 | €00.00 | 2      | +++          |
| 200x32x76,2    | 01    | -   | -  | -  |                        |          |           | 38A 60 N VS     | 45        | 69936675854 | €00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 46 N VS     | 45        | 69936675849 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 39C 80 K VS     | 45        | 69936675644 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | A 46 N 6 VS     | 45        | 66243593707 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 39C 60 K VS     | 45        | 69936675643 | €00.00 | 2      | +++          |
| 200x40x20      | 05    | 110 | 25 | -  |                        |          |           | 39C 80 J VS     | 35        | 69936640285 | €00.00 | 2      | +++          |
| 200x40x50,8    | 01    | -   | -  | -  |                        |          |           | 38A 46 I VS     | 45        | 69936681707 | €00.00 | 2      | +++          |
| 225x5x60       | 01    | -   | -  | -  |                        |          |           | 38A 54 J VS     | 45        | 69936675859 | €00.00 | 1      | +++          |
| 225x20x51      | 01    | -   | -  | -  |                        |          |           | 3SG 60 H 12 VXP | 45        | 69936676452 | €00.00 | 2      | ++++         |
|                | 01    | -   | -  | -  |                        |          |           | 38A 46 I VS     | 45        | 69936640871 | €00.00 | 2      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | SGB 60 H VX     | 45        | 69936640943 | €00.00 | 2      | ++++         |
| 225x25x76,2    | 01    | -   | -  | -  |                        |          |           | 3SG 46 H VX     | 45        | 66243570377 | €00.00 | 2      | ++++         |
| 225x32x76,2    | 01    | -   | -  | -  |                        |          |           | 3SG 60 H 12 VXP | 45        | 66243593705 | €00.00 | 2      | ++++         |
|                | 01    | -   | -  | -  |                        |          |           | 3SG 46 H VX     | 45        | 66253055043 | €00.00 | 2      | ++++         |
| 230x10x32      | 01    | -   | -  | -  |                        |          |           | 38A 60 M VS     | 63        | 69936675929 | €00.00 | 6      | +++          |
| 230x25x32      | 01    | -   | -  | -  |                        |          |           | 39C 80 K VS     | 35        | 69936639374 | €00.00 | 2      | +++          |
| 230x25x50,8    | 01    | -   | -  | -  |                        |          |           | 38A 60 H VS     | 45        | 69936639829 | €00.00 | 1      | +++          |
| 230x5x31,75    | 01    | -   | -  | -  |                        |          |           | 19A 54 J VS     | 40        | 69936623905 | €00.00 | 2      | +++          |
| 250x3x32       | 01    | -   | -  | -  |                        |          |           | SGB 80 K VS3    | 50        | 66243541097 | €00.00 | 5      | ++++         |
| 250x10x20      | 01    | -   | -  | -  |                        |          |           | 38A 60 L VS3    | 63        | 66243541093 | €00.00 | 5      | ++++         |
| 250x10x32      | 01    | -   | -  | -  |                        |          |           | 38A 60 M VS     | 63        | 69936675931 | €00.00 | 6      | +++          |
|                | 01C   | -   | -  | -  |                        |          |           | 38A 60 L 6 VS3  | 35        | 69210431945 | €00.00 | 5      | ++++         |

# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| DIM DxDxH (mm) | SHAPE | P | FA | FB | Recess/Inner concave Diameter | Recess/Concave Depth A | Recess/Concave Depth B | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION   | MOS (m/s) | ART. NO.                 | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|---|----|----|-------------------------------|------------------------|------------------------|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|-----------------|-----------|--------------------------|--------|--------|--------------|
| 250x13x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS3    | 63        | 66253348353              | £00.00 | 1      | ++++         |
| 250x20x76,2    | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS     | 45        | 69936675862              | £00.00 | 1      | +++          |
| 250x25x31,75   | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 O VS       | 35        | 69936623907              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 60 K VS     | 35        | 69936623664              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS       | 35        | 69936623918              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 46 N VS       | 35        | 69936623914              | £00.00 | 1      | +++          |
| 250x25x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L 5 VS   | 45        | 66253049927              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           | ●           | ●    |                       |           | 39C 80 L VS     | 45        | 69936675679              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 46 N VS       | 45        | 69936641386              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 P VS       | 45        | 69936666940              | £00.00 | 1      | +++          |
| 250x25x76      | 01    | - | -  | -  |                               |                        |                        |       |                |              | ○                 | ●                 | ●       | ○                         | ○           |      |                       |           | 2NQ 60 G VS3    | 35        | 66253348365              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  |                               |                        |                        |       |                |              | ○                 | ●                 |         | ●                         |             |      |                       |           | 32A 60 I VS     | 35        | 69936639898              | £00.00 | 2      | +++          |
| 250x25x76,2    | 01    | - | -  | -  |                               |                        |                        |       |                |              | ○                 | ●                 | ●       | ○                         | ○           |      |                       |           | 2NQ 46 G VS3    | 35        | 66253348371              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS     | 45        | 69936623733              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 60 K VS     | 45        | 66253338100 <sup>+</sup> | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       |                |              | ○                 | ●                 | ○       | ●                         |             |      |                       |           | SGA 46 K VX     | 50        | 61463693965              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 I VS     | 45        | 66253050101              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 70 H 12 VXP | 45        | 69936623901              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 K VS3    | 63        | 66253354040              | £00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 46 L VS     | 45        | 69936623691              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 80 L VS     | 45        | 69936623651              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 46 K VS     | 45        | 69936623668              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 60 K VX     | 45        | 66253055045              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 K VX     | 45        | 66253050126              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 54 F 11 VXP | 45        | 69936676054              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 46 K VS3    | 63        | 66253354041              | £00.00 | 2      | +++++        |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 46 K VX     | 45        | 66253050124              | £00.00 | 1      | +++++        |
| 250x32x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 80 K VS     | 45        | 69936640845              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 O VS       | 45        | 66253352816 <sup>+</sup> | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 46 N VS       | 45        | 66253352820 <sup>+</sup> | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 24 Q VS       | 45        | 69936666942              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS       | 45        | 66253352833 <sup>+</sup> | £00.00 | 1      | +++          |
| 250x32x32      | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 N VS     | 45        | 69936667158              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         |                           |             | ●    | ●                     |           | 39C 60 K VS     | 45        | 69936639837              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 K VX     | 45        | 66253050162              | £00.00 | 1      | +++++        |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 P VS       | 45        | 69936666943              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 M VS       | 45        | 69936642130              | £00.00 | 1      | +++          |
| 250x32x76,2    | 01    | - | -  | -  | ●                             |                        |                        |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 46 H VX     | 45        | 66253055046              | £00.00 | 1      | +++++        |
| 250x40x32      | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 36 Q VS       | 45        | 69936666945              | £00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                               |                        |                        |       | ●              |              |                   |                   |         |                           | ●           |      |                       |           | A 60 N VS       | 45        | 69936666946              | £00.00 | 1      | +++          |

SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

#### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH (mm) | SHAPE | P | FA | FB | Deburring & Sharpening | Grinding | Materials | SPECIFICATION    | MOS (m/s) | ART. NO.                 | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|---|----|----|------------------------|----------|-----------|------------------|-----------|--------------------------|--------|--------|--------------|
| 250x40x51      | 01    | - | -  | -  |                        |          |           | 37C 60 K 6 VK    | 35        | 69210431004              | €00.00 | 3      | +++          |
| 250x40x76      | 01    | - | -  | -  |                        |          |           | 38A 60 L 6 VS3   | 35        | 69210431657              | €00.00 | 3      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | 38A 46 L 6 VS3   | 35        | 69210432025              | €00.00 | 3      | ++++         |
| 250x40x76,2    | 01    | - | -  | -  |                        |          |           | 3SG 46 I VX      | 45        | 66253050259              | €00.00 | 1      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 3SG 46 G 12 VXPC | 45        | 69936676056              | €00.00 | 1      | +++++        |
| 300x25x127     | 01    | - | -  | -  |                        |          |           | SGA 46 K VS      | 50        | 61463699584              | €00.00 | 1      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | 3NQ 60 K VQN     | 45        | 66253262040              | €00.00 | 1      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 3SG 46 K VX      | 45        | 66253055050              | €00.00 | 1      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 38A 46 J VS      | 35        | 69936623662              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | SGB 80 I 10 VXP  | 45        | 66253050121              | €00.00 | 1      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 K VS3     | 63        | 66253354042              | €00.00 | 2      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | SGA 60 K VX      | 50        | 61463693967              | €00.00 | 1      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | SGB 80 K VX      | 35        | 69936678987              | €00.00 | 0      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | 39C 120 K VS     | 35        | 69936675646              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 3SG 60 H 12 VXP  | 45        | 69936677184              | €00.00 | 1      | +++++        |
|                | 01    | - | -  | -  |                        |          |           | 19A 60 M VS      | 35        | 69936623719              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 80 L VS      | 45        | 69936623648              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 39C 60 K VS      | 45        | 69936623687              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 39C 80 J VS      | 45        | 69936640343              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 K VS      | 45        | 66253050105              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | SGB 60 K VX      | 45        | 66253050132              | €00.00 | 1      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | SGA 80 L VX      | 50        | 61463693973              | €00.00 | 1      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | 2NQ 60 J VS3     | 45        | 66253348372              | €00.00 | 1      | +++++        |
| 300x32x127     | 01    | - | -  | -  |                        |          |           | A 36 O VS        | 45        | 69936675580              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | SGB 60 K VX      | 45        | 69936676386              | €00.00 | 1      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | A 46 N VS        | 45        | 69936675581              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | A 24 Q VS        | 45        | 69936675579              | €00.00 | 1      | +++          |
| 300x32x127     | 01    | - | -  | -  |                        |          |           | SGB 46 F 12 VXP  | 45        | 69936676705              | €00.00 | 0      | ++++         |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 L VS      | 45        | 69936675884              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 46 H VS      | 45        | 69936675883              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 3SG 60 K VX      | 45        | 66253055872              | €00.00 | 1      | +++++        |
| 300x32x32      | 01    | - | -  | -  |                        |          |           | A 46 N VS        | 45        | 66253352869 <sup>+</sup> | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | A 60 N VS        | 45        | 66253352876 <sup>+</sup> | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 K VS      | 45        | 66253051100              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | A 36 O VS        | 45        | 66253352837 <sup>+</sup> | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | A 36 O VS        | 45        | 69936675575              | €00.00 | 1      | +++          |
|                | 01    | - | -  | -  |                        |          |           | 38A 60 N VS      | 45        | 69936639618              | €00.00 | 1      | +++          |
| 300x32x50,8    | 01    | - | -  | -  |                        |          |           | A 46 N VS        | 45        | 69936675578              | €00.00 | 1      | +++          |
| 300x32x76,2    | 01    | - | -  | -  |                        |          |           | 38A 46 H VS      | 45        | 69936675880              | €00.00 | 1      | +++          |
| 300x40x30      | 01    | - | -  | -  |                        |          |           | A 36 P VS        | 45        | 69936681734              | €00.00 | 1      | +++          |

# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

Highly recommended ●

Recommended ○

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | PRODUCT RECOMMENDATION |             |  |    |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------------------|-------------|--|----|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Highly recommended     | Recommended |  |    |  |
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SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

#### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH (mm) | SHAPE | P   | FA | FB | Deburring & Sharpening | Grinding | Materials | SPECIFICATION   | MOS (m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|-----|----|----|------------------------|----------|-----------|-----------------|-----------|-------------|--------|--------|--------------|
| 355x25x127     | 01    | -   | -  | -  |                        |          |           | SGB 60 L VX     | 45        | 66253050135 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | SGA 46 J VS     | 50        | 61463699586 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 3SG 60 K VS     | 50        | 69936623716 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 L VS     | 45        | 69936675901 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 3SG 60 L VX     | 45        | 66253055895 | £00.00 | 1      | +++++        |
| 355x32x127     | 01    | -   | -  | -  |                        |          |           | 2NQ 60 J VS3    | 45        | 66253348373 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 L VS     | 45        | 69936675903 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | SGB 54 E 12 VXP | 45        | 69936676713 | £00.00 | 0      | +++++        |
| 355x40x127     | 01    | -   | -  | -  |                        |          |           | 2NQ 46 G VS3    | 45        | 66253348367 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 38A 46 J VS     | 45        | 69936623753 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | A 24 Q VS       | 45        | 69936675586 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | SGB 46 J VX     | 45        | 66253050117 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 L VS     | 45        | 69936675908 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 3SG 60 L VX     | 45        | 66253055057 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 39C 60 K VS     | 45        | 69936675685 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | SGA 80 I 10 VXP | 50        | 61463699589 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 3SG 60 K VS     | 50        | 69936623611 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | A 46 N VS       | 45        | 69936675587 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | SGB 46 G 10 VXP | 45        | 66253049901 | £00.00 | 1      | +++++        |
|                | 05    | 215 | 13 | -  |                        |          |           | 38A 60 L VS     | 35        | 69936675909 | £00.00 | 1      | +++          |
|                | 05    | 215 | 13 | -  |                        |          |           | 3SG 60 K VS     | 35        | 69936640371 | £00.00 | 0      | +++++        |
| 355x50x31,75   | 01    | -   | -  | -  |                        |          |           | A 60 N VS       | 35        | 69936623742 | £00.00 | 1      | +++          |
| 355x50x127     | 01    | -   | -  | -  |                        |          |           | 38A 46 K VS     | 45        | 66253051108 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | SGB 46 J VX     | 45        | 69936623781 | £00.00 | 2      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | A 36 O VS       | 45        | 69936675589 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 L VS     | 35        | 69936675914 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 3SG 46 J VX     | 45        | 66253055063 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 3NQ 46 H VQN    | 45        | 66253262049 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | SGA 54 G 12 VXP | 50        | 61463693982 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | SGB 54 G 10 VXP | 45        | 66253049857 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 3SG 46 F 12 VXP | 45        | 69936623900 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 38A 46 I VS     | 45        | 69936675913 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 K 5 VS   | 45        | 66253049951 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | SGB 60 K VX     | 45        | 66253050138 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |          |           | 2NQ 46 G VS3    | 45        | 66253348366 | £00.00 | 1      | +++++        |
|                | 07    | 190 | 12 | 13 |                        |          |           | 38A 60 L VS     | 35        | 69936675899 | £00.00 | 1      | +++          |
| 400x25x127     | 01    | -   | -  | -  |                        |          |           | SGB 60 K VX     | 45        | 69936644046 | £00.00 | 1      | +++++        |
| 400x50x127     | 01    | -   | -  | -  |                        |          |           | 37C 60 K 6 VK   | 45        | 69210431098 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |          |           | 38A 60 L 6 VS3  | 45        | 69210431108 | £00.00 | 1      | +++++        |
| 400x50x203     | 01    | -   | -  | -  |                        |          |           | 38A 60 L 6 VS3  | 45        | 69210431757 | £00.00 | 1      | +++++        |

# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | PRODUCT RECOMMENDATION |             |  |  |  |
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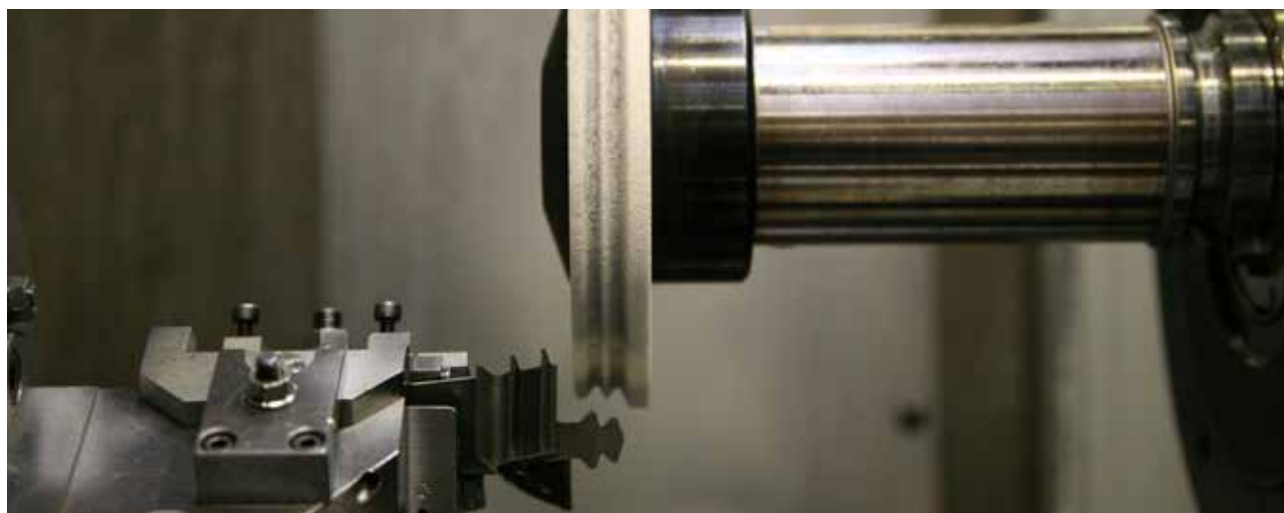
SHAPE 01  SHAPE 05  SHAPE 07  SHAPE 20  SHAPE 01C 

Recess/Inner concave Diameter  
Recess/Concave Depth A  
Recess/Concave Depth B  
Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

#### GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxTxH (mm) | SHAPE | P   | FA | FB | Deburring & Sharpening | Grinding                                                                            | Materials                                                                           | SPECIFICATION    | MOS (m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|-----|----|----|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------|-----------|-------------|--------|--------|--------------|
| 406x50x127     | 05    | 215 | 13 | -  |                        |    |    | GF 60 L VX       | 50        | 66243468990 | £00.00 | 0      | +++++        |
|                | 20    | 215 | 8  | -  |                        |    |    | GF 60 L VX       | 50        | 66243468989 | £00.00 | 1      | +++++        |
|                | 20    | 215 | 13 | -  |                        |    |    | 38A 60 K VS      | 35        | 66243448201 | £00.00 | 1      | +++          |
|                | 20    | 215 | 13 | -  |                        |    |    | 38A 60 M VS      | 35        | 66243448116 | £00.00 | 1      | +++          |
|                | 20    | 215 | 13 | -  |                        |    |    | 3SG 60 K VS      | 35        | 66243448204 | £00.00 | 1      | +++++        |
| 406x63x127     | 07    | 215 | 12 | 12 |                        |    |    | GF 46 F 12 VXP   | 35        | 66243449251 | £00.00 | 1      | +++++        |
|                | 20    | 215 | 13 | -  |                        |    |    | GF 60 L VX       | 50        | 66243468993 | £00.00 | 1      | +++++        |
| 406x76x127     | 07    | 215 | 12 | 25 |                        |    |    | 38A 46 F 12 VBEP | 35        | 66243448206 | £00.00 | 0      | +++          |
|                | 07    | 215 | 13 | 25 |                        |    |    | GF 46 F 12 VXP   | 35        | 66243469016 | £00.00 | 1      | +++++        |
|                | 07    | 215 | 12 | 25 |                        |   |   | 32A 46 I VS      | 35        | 66243448354 | £00.00 | 1      | +++          |
|                | 07    | 215 | 12 | 25 |                        |  |  | SGB 46 F 12 VXP  | 35        | 66243448691 | £00.00 | 0      | +++++        |
|                | 07    | 215 | 12 | 25 |                        |  |  | 3SG 54 E 12 VXP  | 35        | 66243448665 | £00.00 | 0      | +++++        |
|                | 07    | 215 | 13 | 25 |                        |  |  | GF 46 I VX       | 35        | 66243469001 | £00.00 | 1      | +++++        |
| 406x100x152,4  | 07    | 220 | 15 | 15 |                        |  |  | 3SG 54 E 12 VXP  | 35        | 66243449287 | £00.00 | 0      | +++++        |
|                | 07    | 220 | 15 | 15 |                        |  |  | GF 46 I VX       | 35        | 66243449285 | £00.00 | 1      | +++++        |
| 457x50x127     | 01    | -   | -  | -  |                        |  |  | 38A 60 L VS      | 45        | 66243466558 | £00.00 | 1      | +++          |
|                | 20    | 215 | 8  | -  |                        |  |  | GF 60 L VX       | 50        | 66243468995 | £00.00 | 0      | +++++        |
|                | 20    | 215 | 13 | -  |                        |  |  | 38A 60 M VS      | 50        | 66243448676 | £00.00 | 1      | +++          |
| 457x50x203,2   | 01    | -   | -  | -  |                        |  |  | 38A 46 J VS      | 35        | 66243466557 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |  |  | SGA 60 K VX      | 50        | 61463694560 | £00.00 | 1      | +++++        |
| 457x63x127     | 20    | 215 | 13 | -  |                        |  |  | GF 60 L VX       | 50        | 66243468996 | £00.00 | 1      | +++++        |
| 457x80x203,2   | 07    | 290 | 13 | 13 |                        |  |  | SGB 46 F 12 VXP  | 35        | 66243468578 | £00.00 | 0      | +++++        |
|                | 07    | 280 | 13 | 13 |                        |  |  | GF 46 F 12 VXP   | 35        | 66243469018 | £00.00 | 0      | +++++        |
| 508x50x203,2   | 01    | -   | -  | -  |                        |  |  | 3SG 60 K VX      | 45        | 66253055088 | £00.00 | 1      | +++++        |
|                | 01    | -   | -  | -  |                        |  |  | 38A 60 L VS      | 35        | 66243466565 | £00.00 | 1      | +++          |
|                | 01    | -   | -  | -  |                        |  |  | SGA 80 I 10 VXP  | 50        | 61463699663 | £00.00 | 1      | +++++        |
| 500x60x203     | 20    | 290 | 10 | -  |                        |  |  | SGB 60 K VX      | 50        | 66243468575 | £00.00 | 1      | +++++        |



HSS = High Speed Steel

Steel hardened = Over 50Rc

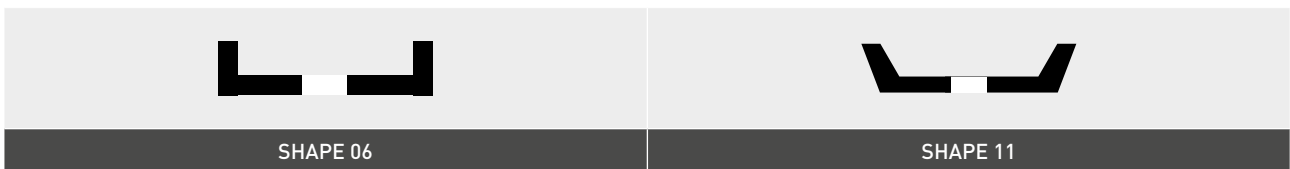
Steel soft = Up to 50Rc

Bonded Abrasives / 241



## STRAIGHT & TAPERED CUPS FOR PRECISION GRINDING

### SHAPE KEY



### PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| DIM DxDxH<br>(mm) | SHAPE | W  | E  | Rim Width | Back Thickness | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION  | MOS<br>(m/s) | ART. NO.    | PRICE  | PK<br>QTY | QUALITY<br>TIER |
|-------------------|-------|----|----|-----------|----------------|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|----------------|--------------|-------------|--------|-----------|-----------------|
| 63x40x20          | 06    | 10 | 10 | ●         |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 60 J VS3   | 45           | 66253348322 | €00.00 | 10        | +++++           |
| 80x32x20          | 11    | 6  | 8  | ●         |                |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | SGB 60 L VX    | 45           | 66253050137 | €00.00 | 6         | +++++           |
| 80x40x20          | 06    | 10 | 10 | ●         |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 60 L VX    | 45           | 66253050098 | €00.00 | 10        | +++++           |
|                   | 06    | 6  | 10 | ●         |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 60 J VX    | 45           | 66243570391 | €00.00 | 10        | +++++           |
|                   | 06    | 6  | 8  | ●         |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 60 L VS3   | 63           | 66253348323 | €00.00 | 6         | +++++           |
|                   | 06    | 8  | 8  | ●         |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 60 J VS3   | 63           | 66253348289 | €00.00 | 6         | +++++           |
| 80x40x32          | 06    | 10 | 10 | ●         |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 J VS3   | 45           | 66253348326 | €00.00 | 10        | +++++           |
| 100x40x20         | 11    | 8  | 10 | ●         |                |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 K VS    | 45           | 69936686170 | €00.00 | 2         | +++             |
|                   | 11    | 8  | 10 | ●         |                |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 L VS    | 45           | 69936688495 | €00.00 | 2         | +++             |
|                   | 11    | 8  | 10 | ●         |                |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 60 K VX    | 45           | 66253050110 | €00.00 | 2         | +++++           |
| 100x40x31,75      | 11    | 6  | 13 | ●         |                |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 46 J 6 VS3 | 35           | 66253358217 | €00.00 | 2         | +++++           |
|                   | 11    | 6  | 13 | ●         |                |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 60 K VS    | 32           | 69936624043 | €00.00 | 2         | +++++           |
|                   | 11    | 6  | 13 | ●         |                |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 J 6 VS3 | 35           | 66253358216 | €00.00 | 2         | +++++           |
|                   | 11    | 6  | 13 | ●         |                |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 J VS3   | 32           | 66253348630 | €00.00 | 2         | +++++           |
|                   | 11    | 6  | 13 | ●         |                |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 54 K VS    | 32           | 69936624609 | €00.00 | 2         | +++             |
|                   | 11    | 6  | 13 | ●         |                |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 54 K VS    | 32           | 69936624036 | €00.00 | 2         | +++++           |
| 100x40x32         | 06    | 8  | 10 | ●         |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 60 K VS    | 45           | 69936674854 | €00.00 | 2         | +++             |
|                   | 11    | 8  | 10 | ●         |                |       |                |              |                   |                   |         | ●                         | ○           |      |                       |           | 3SG 60 K VX    | 45           | 66253050114 | €00.00 | 2         | +++++           |
|                   | 11    | 8  | 10 | ●         |                |       |                |              |                   |                   |         | ○                         | ●           |      |                       |           | 38A 60 K VS    | 45           | 69936686169 | €00.00 | 2         | +++             |
|                   | 11    | 13 | 13 | ●         |                |       |                |              |                   |                   |         | ●                         | ○           | ○    |                       |           | 2NQ 46 J VS3   | 45           | 66253348633 | €00.00 | 2         | +++++           |

# GRAIN COLOUR CODE

|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH (mm) | SHAPE | W  | E  | Deburring & Sharpening | Grinding | Materials | SPECIFICATION   | MOS (m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|----------------|-------|----|----|------------------------|----------|-----------|-----------------|-----------|-------------|--------|--------|--------------|
| 100x50x20      | 06    | 10 | 13 | ●                      | ●        | ●         | 3SG 80 L VX     | 45        | 66253049966 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 13 | ●                      | ●        | ●         | 38A 80 J VS3    | 45        | 66253348324 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 13 | ●                      | ●        | ●         | 38A 60 M VS     | 45        | 69936639460 | £00.00 | 2      | +++          |
|                | 06    | 10 | 13 | ●                      | ●        | ●         | 3SG 60 L VX     | 45        | 66253049960 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 13 | ●                      | ●        | ●         | 39C 80 J VS     | 45        | 69936640131 | £00.00 | 2      | +++          |
|                | 06    | 10 | 10 | ●                      | ●        | ●         | 38A 46 K VS     | 45        | 69936644193 | £00.00 | 2      | +++          |
|                | 06    | 10 | 10 | ●                      | ●        | ●         | 38A 60 J VS3    | 45        | 66253348327 | £00.00 | 2      | +++++        |
|                | 06    | 8  | 10 | ●                      | ●        | ●         | SGB 60 K VX     | 45        | 69936641284 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 10 | ●                      | ●        | ●         | 38A 80 J VS     | 45        | 69936639600 | £00.00 | 2      | +++          |
|                | 06    | 10 | 10 | ●                      | ●        | ●         | 38A 120 I 8 VS3 | 45        | 66253358793 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 10 | ●                      | ●        | ●         | 38A 60 I VS3    | 45        | 66253348629 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 10 | ●                      | ●        | ●         | 3SG 60 J VX     | 45        | 66253050069 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 10 | ●                      | ●        | ●         | 3SG 60 K VX     | 45        | 66253049965 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 13 | ●                      | ●        | ●         | 38A 60 L VS     | 45        | 69936639450 | £00.00 | 2      | +++          |
| 100x50x32      | 06    | 10 | 10 | ●                      | ●        | ●         | 3SG 60 K VX     | 45        | 66253050073 | £00.00 | 2      | +++++        |
|                | 06    | 10 | 10 | ●                      | ●        | ●         | 38A 60 K VS     | 45        | 69936674859 | £00.00 | 2      | +++          |
| 125x40x31,75   | 06    | 13 | 13 | ●                      | ●        | ●         | 38A 60 J 8 VS3  | 45        | 66253358795 | £00.00 | 2      | +++++        |
|                | 06    | 13 | 13 | ●                      | ●        | ●         | 38A 46 J 8 VS3  | 45        | 66253358794 | £00.00 | 2      | +++++        |
|                | 06    | 8  | 10 | ●                      | ●        | ●         | 38A 60 K VS     | 32        | 69936623645 | £00.00 | 2      | +++          |
|                | 11    | 8  | 10 | ●                      | ●        | ●         | 38A 60 J 6 VS3  | 35        | 66253358219 | £00.00 | 2      | +++++        |
|                | 11    | 10 | 10 | ●                      | ●        | ●         | 38A 54 K VS     | 35        | 69936625578 | £00.00 | 2      | +++          |
| 125x40x32      | 11    | 8  | 10 | ●                      | ●        | ●         | 38A 46 K VS     | 45        | 69936686175 | £00.00 | 2      | +++          |
|                | 11    | 8  | 10 | ●                      | ●        | ●         | 38A 60 K VS     | 45        | 69936686176 | £00.00 | 2      | +++          |
|                | 11    | 8  | 10 | ●                      | ●        | ●         | SGB 46 J VX     | 45        | 69936682429 | £00.00 | 2      | +++++        |
| 125x45x20      | 11    | 6  | 13 | ●                      | ●        | ●         | 3SG 46 K VX     | 45        | 66253055954 | £00.00 | 2      | +++++        |
|                | 11    | 6  | 13 | ●                      | ●        | ●         | SGB 60 K VX     | 45        | 69936686736 | £00.00 | 2      | +++++        |
| 125x50x32      | 06    | 13 | 13 | ●                      | ●        | ●         | 38A 46 K VS     | 45        | 69936674867 | £00.00 | 2      | +++          |
|                | 06    | 10 | 13 | ●                      | ●        | ●         | 38A 60 L VS     | 45        | 69936639992 | £00.00 | 2      | +++          |
|                | 06    | 13 | 13 | ●                      | ●        | ●         | SGB 60 J VX     | 45        | 66253050075 | £00.00 | 2      | +++++        |
| 125x63x32      | 06    | 10 | 13 | ●                      | ●        | ●         | SGB 60 K VX     | 45        | 69936640579 | £00.00 | 2      | +++++        |
|                | 06    | 25 | 16 | ●                      | ●        | ●         | 39C 60 J V      | 45        | 69936668305 | £00.00 | 2      | +++          |
| 150x40x32      | 06    | 16 | 13 | ●                      | ●        | ●         | 38A 46 H VS     | 45        | 69936674872 | £00.00 | 2      | +++          |
|                | 06    | 16 | 13 | ●                      | ●        | ●         | 38A 60 K VS     | 45        | 69936674875 | £00.00 | 2      | +++          |
| 150x50x32      | 06    | 16 | 16 | ●                      | ●        | ●         | SGB 60 K VX     | 45        | 66253050076 | £00.00 | 2      | +++++        |
|                | 11    | 10 | 13 | ●                      | ●        | ●         | SGB 60 K VX     | 45        | 66253050134 | £00.00 | 2      | +++++        |
|                | 06    | 16 | 16 | ●                      | ●        | ●         | 3SG 46 K VX     | 45        | 66253050068 | £00.00 | 2      | +++++        |
|                | 11    | 10 | 13 | ●                      | ●        | ●         | SGB 46 J VX     | 45        | 66253050133 | £00.00 | 2      | +++++        |
|                | 11    | 10 | 13 | ●                      | ●        | ●         | 38A 46 K VS     | 45        | 69936686177 | £00.00 | 2      | +++          |
|                | 06    | 16 | 16 | ●                      | ●        | ●         | 38A 60 K VS     | 45        | 69936674879 | £00.00 | 2      | +++          |
|                | 11    | 10 | 13 | ●                      | ●        | ●         | 38A 60 K VS     | 45        | 69936682576 | £00.00 | 2      | +++          |
| 150x50x65      | 06    | 20 | 16 | ●                      | ●        | ●         | 39C 80 J VS     | 32        | 69936639798 | £00.00 | 2      | +++          |
|                | 06    | 20 | 16 | ●                      | ●        | ●         | 38A 60 L VS     | 45        | 69936639480 | £00.00 | 2      | +++          |



# BONDED ABRASIVES FOR PRECISION GRINDING

## PRODUCT RECOMMENDATION

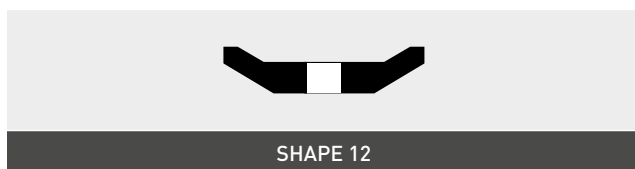
Highly recommended ●  
Recommended ○

| DIM DxDxH<br>(mm) | SHAPE | W  | E  | Rim Width |  | Back Thickness | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION   | MOS<br>(m/s) | ART. NO.    | PRICE  | PK QTY | QUALITY TIER |
|-------------------|-------|----|----|-----------|--|----------------|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|-----------------|--------------|-------------|--------|--------|--------------|
|                   |       |    |    |           |  |                |       |                |              |                   |                   |         |                           |             |      |                       |           |                 |              |             |        |        |              |
| 150x60x32         | 06    | 10 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 54 K VX     | 45           | 66253050099 | £00.00 | 2      | +++++        |
| 150x63x32         | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 36 I VS     | 45           | 69936640369 | £00.00 | 2      | +++          |
|                   | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 J VS     | 45           | 69936674881 | £00.00 | 2      | +++          |
|                   | 06    | 13 | 13 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 46 J VX     | 45           | 66253054727 | £00.00 | 2      | +++++        |
| 150x63x50,8       | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 60 J VX     | 45           | 66253050082 | £00.00 | 2      | +++++        |
|                   | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 36 H VX     | 45           | 66253050080 | £00.00 | 2      | +++++        |
| 150x80x32         | 06    | 20 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 H VS     | 45           | 69936674905 | £00.00 | 2      | +++          |
|                   | 06    | 20 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 I VS     | 45           | 69936658606 | £00.00 | 2      | +++          |
|                   | 06    | 20 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 46 H VX     | 45           | 66253050096 | £00.00 | 2      | +++++        |
|                   | 06    | 20 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 46 G 10 VXP | 45           | 69936676357 | £00.00 | 2      | +++++        |
| 165x63x32         | 06    | 10 | 13 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 F 12 VXP | 45           | 66253051529 | £00.00 | 2      | +++          |
| 175x75x76,2       | 06    | 20 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 46 G 11 VXP | 45           | 66253050097 | £00.00 | 2      | +++++        |
|                   | 06    | 20 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 36 I VS     | 45           | 69936681747 | £00.00 | 2      | +++          |
| 180x40x76,2       | 06    | 32 | 13 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 M VS     | 45           | 69936674884 | £00.00 | 2      | +++          |
| 180x63x50,8       | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 36 H VS     | 45           | 69936674887 | £00.00 | 2      | +++          |
|                   | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 46 J VX     | 45           | 66253050084 | £00.00 | 2      | +++++        |
| 180x76x32         | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 36 I VS     | 45           | 69936639449 | £00.00 | 2      | +++          |
| 180x76x78         | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 36 I 8 VS3  | 45           | 66253348321 | £00.00 | 2      | +++++        |
|                   | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 H VS     | 45           | 69936639616 | £00.00 | 2      | +++          |
|                   | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | 3SG 36 I VX     | 45           | 66253049962 | £00.00 | 2      | +++++        |
|                   | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 36 J VS     | 45           | 69936639817 | £00.00 | 2      | +++          |
| 180x80x32         | 06    | 16 | 16 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 H VS     | 45           | 69936674889 | £00.00 | 2      | +++          |
| 200x40x32         | 06    | 45 | 15 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 60 L VS     | 45           | 66243570537 | £00.00 | 2      | +++          |
|                   | 06    | 45 | 15 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 L VS     | 45           | 66243570536 | £00.00 | 2      | +++          |
| 200x40x76,2       | 06    | 40 | 13 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 60 L VX     | 45           | 66253050087 | £00.00 | 2      | +++++        |
|                   | 06    | 40 | 13 | ●         |  |                |       |                |              |                   |                   | ○       |                           |             | ●    | ●                     |           | 39C 80 J V      | 45           | 69936668348 | £00.00 | 2      | +++          |
|                   | 06    | 40 | 13 | ●         |  |                |       |                |              |                   |                   | ○       |                           |             | ●    | ●                     |           | 39C 60 J V      | 45           | 69936668347 | £00.00 | 2      | +++          |
|                   | 06    | 40 | 13 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 K VS     | 45           | 69936674880 | £00.00 | 2      | +++          |
|                   | 06    | 40 | 13 | ●         |  |                |       |                |              |                   |                   | ○       |                           |             | ●    | ●                     |           | 39C 120 J V     | 45           | 69936668353 | £00.00 | 2      | +++          |
|                   | 06    | 40 | 13 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 M VS     | 45           | 69936674890 | £00.00 | 2      | +++          |
| 200x63x50,8       | 06    | 20 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 H VS     | 45           | 69936674898 | £00.00 | 2      | +++          |
| 200x82x78         | 06    | 16 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | 3SG 36 I VX     | 45           | 66253049964 | £00.00 | 2      | +++++        |
|                   | 06    | 16 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 46 H VS3    | 45           | 66253348325 | £00.00 | 2      | +++++        |
|                   | 06    | 16 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ○                         | ●           |      |                       |           | 38A 36 H VS3    | 45           | 66253348319 | £00.00 | 2      | +++++        |
|                   | 06    | 16 | 20 | ●         |  |                |       |                |              |                   |                   | ○       | ●                         | ○           |      |                       |           | SGB 36 H 10 VXP | 45           | 69936679013 | £00.00 | 2      | +++++        |
| 300x63x127        | 06    | 40 | 20 | ●         |  |                |       |                |              |                   |                   | ○       |                           |             | ●    | ●                     |           | 39C 60 J V      | 45           | 69936668365 | £00.00 | 1      | +++          |



# DISHES FOR PRECISION GRINDING

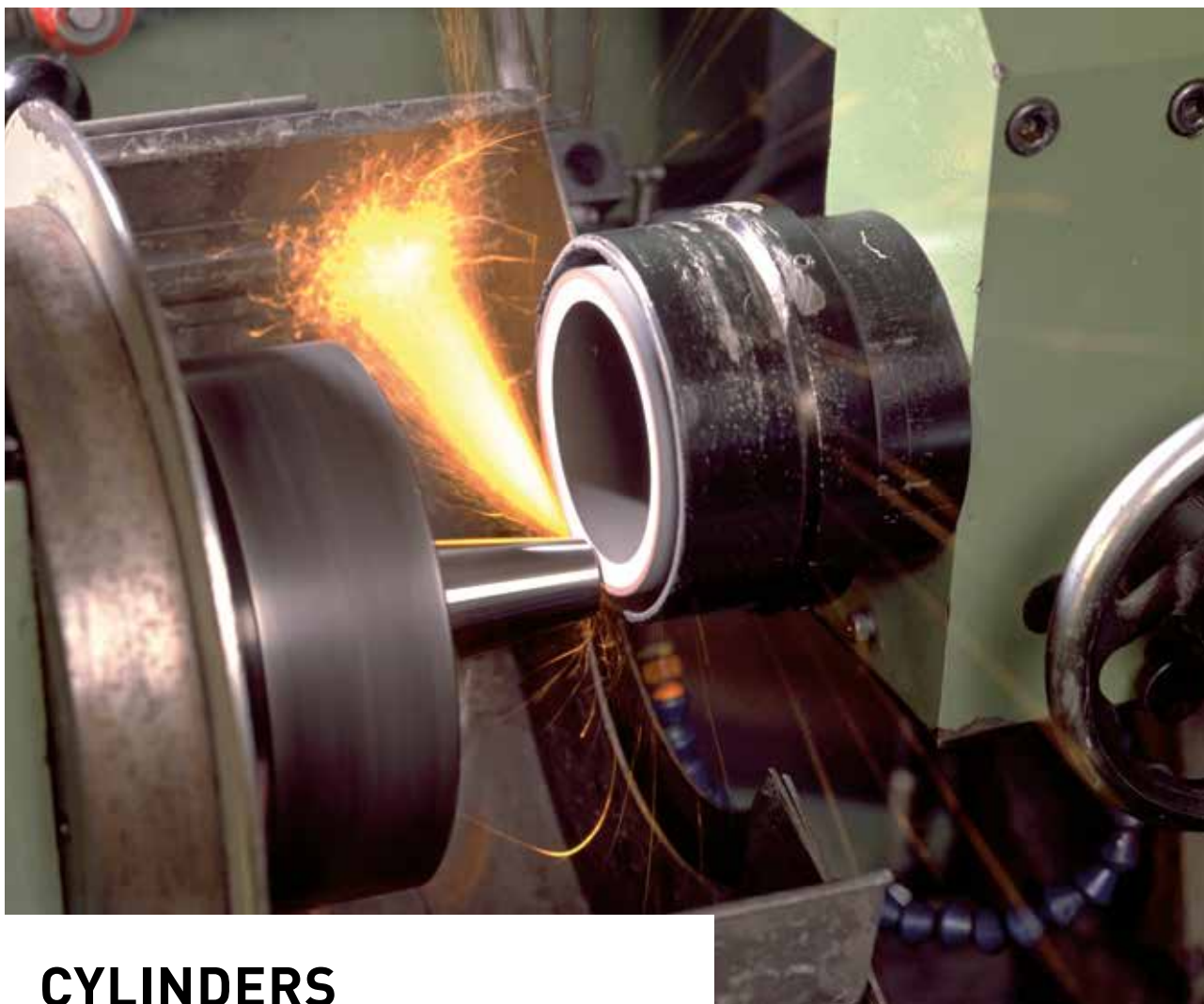
## SHAPE KEY



## GRAIN COLOUR CODE

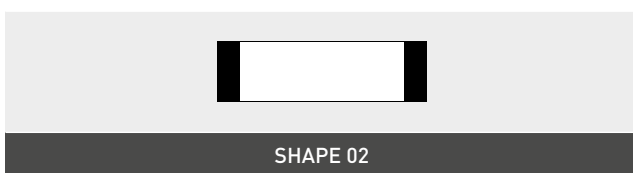
|     |                      |     |
|-----|----------------------|-----|
| NQ  | NQ Vit <sup>3</sup>  | A   |
| 38A | 38A Vit <sup>3</sup> | 19A |
| 32A | GF                   | SG  |
| 86A | 25A                  |     |
| 37C | 39C                  |     |

| DIM DxDxH<br>(mm) | W   | E  | J  | K  | U   | Tools | Saw Sharpening | Bench Wheels | Internal Diameter | External Diameter | Surface | High alloyed steels & HSS | Soft steels | Inox | Non-Ferrous & Carbide | Cast iron | SPECIFICATION | MOS<br>(m/s) | ART. NO.    | PRICE  | PK<br>QTY | QUALITY<br>TIER |
|-------------------|-----|----|----|----|-----|-------|----------------|--------------|-------------------|-------------------|---------|---------------------------|-------------|------|-----------------------|-----------|---------------|--------------|-------------|--------|-----------|-----------------|
| 100x13x12,7       | 5   | 7  | 45 | 50 | 2,5 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 38A 60 K VS   | 45           | 69936624605 | €00.00 | 2         | +++             |
| 100x13x20         | 5   | 7  | 41 | 41 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 38A 60 J VS3  | 45           | 66253348382 | €00.00 | 2         | ++++            |
|                   | 5   | 7  | 41 | 41 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 3SG 60 K VX   | 45           | 66253050236 | €00.00 | 2         | +++++           |
| 125x13x20         | 6   | 7  | 61 | 61 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           | ●    |                       |           | 2NQ 60 J VS3  | 45           | 66253348378 | €00.00 | 2         | +++++           |
|                   | 6   | 7  | 61 | 61 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 3SG 60 J VX   | 45           | 69936686768 | €00.00 | 2         | +++++           |
|                   | 6   | 7  | 61 | 61 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 38A 60 J VS3  | 45           | 66253348488 | €00.00 | 2         | ++++            |
| 150x13x20         | 8   | 9  | 56 | 56 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | SGB 46 K VS3  | 45           | 66253348384 | €00.00 | 2         | ++++            |
|                   | 8   | 9  | 56 | 56 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 3SG 60 L VX   | 45           | 66253050231 | €00.00 | 2         | +++++           |
|                   | 8   | 9  | 56 | 56 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | SGB 60 K VS3  | 45           | 66253348379 | €00.00 | 2         | ++++            |
|                   | 7   | 9  | 86 | 86 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 38A 60 K VS   | 45           | 69936686199 | €00.00 | 2         | +++             |
| 150x13x31,75      | 9,5 | 8  | 76 | 76 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 3SG 60 K VS   | 35           | 69936624608 | €00.00 | 2         | +++++           |
| 150x13x32         | 7   | 9  | 86 | 86 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 3SG 60 K VX   | 45           | 66253050239 | €00.00 | 2         | +++++           |
|                   | 7   | 9  | 86 | 86 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 38A 60 J VS3  | 45           | 66253348380 | €00.00 | 2         | ++++            |
|                   | 7   | 9  | 86 | 86 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 38A 46 K VS   | 45           | 69936686194 | €00.00 | 2         | +++             |
| 150x20x32         | 8   | 9  | 87 | 87 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | SGB 60 K VX   | 45           | 66253050245 | €00.00 | 2         | ++++            |
| 180x20x32         | 9   | 11 | 70 | 70 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | SGB 54 K VX   | 45           | 66253050260 | €00.00 | 2         | ++++            |
| 200x20x32         | 10  | 12 | 90 | 90 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | 38A 60 K VS   | 45           | 69936686215 | €00.00 | 2         | +++             |
| 200x32x32         | 10  | 12 | 92 | 92 | 3,2 | ●     |                |              |                   |                   |         | ●                         | ●           |      |                       |           | SGB 46 I VX   | 45           | 66253050253 | €00.00 | 2         | ++++            |



# CYLINDERS FOR PRECISION GRINDING

## SHAPE KEY



## PRODUCT RECOMMENDATION

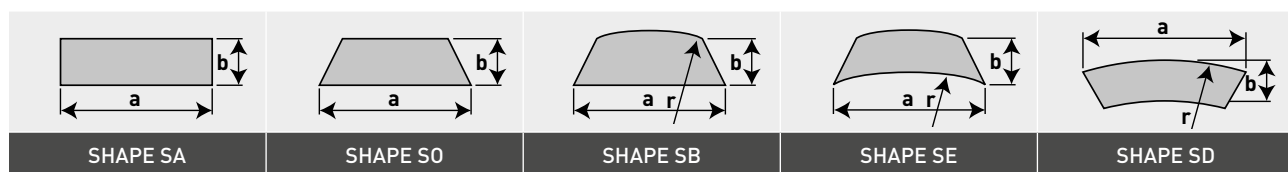
Highly recommended ●  
Recommended ○

| DIM DxDxH<br>(mm) | Tools<br>Saw Sharpening<br>Bench Wheels<br>Internal Diameter<br>External Diameter<br>Surface | Grinding | Materials | SPECIFICATION | MOS<br>(m/s) | ART. NO.    | PRICE  | PK<br>QTY | QUALITY<br>TIER |
|-------------------|----------------------------------------------------------------------------------------------|----------|-----------|---------------|--------------|-------------|--------|-----------|-----------------|
| 200x100x160       |                                                                                              |          | ● ○ ●     | 38A 46 G VS3  | 45           | 66253348386 | €00.00 | 1         | ++++            |
|                   |                                                                                              |          | ● ● ○     | SGB 46 H VX   | 45           | 69936686693 | €00.00 | 1         | ++++            |
| 254x100x204       |                                                                                              |          | ● ○ ●     | 38A 46 G VS3  | 45           | 66253348387 | €00.00 | 1         | ++++            |



# SEGMENTS FOR PRECISION GRINDING

## SHAPE KEY



## GRAIN COLOUR CODE

|     |                      |
|-----|----------------------|
| NQ  | NQ Vit <sup>3</sup>  |
| 38A | 38A Vit <sup>3</sup> |
| 32A | 19A                  |
| 37C | SG                   |

Tools  
Saw Sharpening  
Bench Wheels  
Internal Diameter  
External Diameter  
Surface  
High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous & Carbide  
Cast iron

## PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| DIM<br>AxBxR | TYPE | Deburring &<br>Sharpening | Grinding | Materials | SPECIFICATION   | ART. NO.    | PRICE  | PK<br>QTY | QUALITY<br>TIER |
|--------------|------|---------------------------|----------|-----------|-----------------|-------------|--------|-----------|-----------------|
| 16x50x90     | SE   |                           |          | ● ○ ●     | 38A 36 H VS3    | 66253348785 | £00.00 | 4         | ++++            |
|              | SE   |                           |          | ● ○ ●     | 38A 46 G VS3    | 66253348493 | £00.00 | 4         | ++++            |
|              | SE   |                           |          | ● ● ○ ○   | 2NQ 36 H VS3    | 66253348492 | £00.00 | 4         | ++++            |
|              | SE   |                           |          | ● ● ○ ○   | 3NQ 46 H VQN    | 69083141440 | £00.00 | 4         | ++++            |
| 16x53,5x110  | SE   |                           |          | ● ○ ●     | 38A 46 H VS     | 69936688614 | £00.00 | 4         | +++             |
|              | SE   |                           |          | ● ○ ●     | 38A 36 I VS     | 69936688485 | £00.00 | 4         | +++             |
| 20x42x90     | SO   |                           |          | ● ○ ●     | 38A 60 G VS     | 69936686264 | £00.00 | 4         | +++             |
| 21x59,5x121  | SO   |                           |          | ● ○ ●     | 38A 30 H VS     | 69936624796 | £00.00 | 4         | +++             |
|              | SO   |                           |          | ● ○ ●     | 38A 36 H VS3    | 66253348638 | £00.00 | 4         | ++++            |
| 22x60x110    | SO   |                           |          | ● ● ○ ○   | 2NQ 36 G VS3    | 66253348778 | £00.00 | 4         | ++++            |
|              | SO   |                           |          | ● ○ ●     | 38A 36 G VS3    | 66253348665 | £00.00 | 4         | ++++            |
| 25x50x110    | SO   |                           |          | ● ●       | 19A 54 I VS     | 69936686249 | £00.00 | 4         | +++             |
|              | SO   |                           |          | ● ○ ●     | 38A 46 G VS3    | 66253348779 | £00.00 | 4         | ++++            |
|              | SO   |                           |          | ● ○ ●     | 38A 60 G VS3    | 66253348786 | £00.00 | 4         | ++++            |
|              | SO   |                           |          | ● ● ○     | 3SG 60 G VX     | 66253050282 | £00.00 | 4         | ++++            |
| 25x65x100    | SB   |                           |          | ●         | 37C 30 H 8 V    | 69936688426 | £00.00 | 4         | +++             |
| 25x70x110    | SO   |                           |          | ● ○ ●     | 38A 36 I VS     | 69936682640 | £00.00 | 4         | +++             |
|              | SO   |                           |          | ● ○ ●     | 38A 30 I VS     | 69936682296 | £00.00 | 4         | +++             |
|              | SO   |                           |          | ● ○ ●     | 38A 36 H VS3    | 66253348783 | £00.00 | 4         | ++++            |
|              | SO   |                           |          | ● ● ○     | 3SG 36 E 12 VXP | 69936688295 | £00.00 | 4         | ++++            |
| 25x80x150    | SA   |                           |          | ● ● ○     | 3SG 36 E 12 VXP | 69936688321 | £00.00 | 0         | ++++            |
|              | SA   |                           |          | ● ○ ●     | 38A 30 I VS     | 69936686253 | £00.00 | 4         | +++             |
| 38x103x180   | SO   |                           |          | ● ○ ●     | 38A 30 H VS3    | 66253348780 | £00.00 | 4         | ++++            |
|              | SO   |                           |          | ● ● ○ ○   | 3NQ 36 H VQN    | 69083141453 | £00.00 | 4         | ++++            |
|              | SO   |                           |          | ● ● ○     | 3SG 36 H VX     | 66253050287 | £00.00 | 4         | ++++            |

HSS = High Speed Steel

Steel hardened = Over 50Rc

Steel soft = Up to 50Rc

Bonded Abrasives / 247







**NORTON**

SAINT-GOBAIN®

BONDED  
ABRASIVES

# MOUNTED POINTS & WHEELS

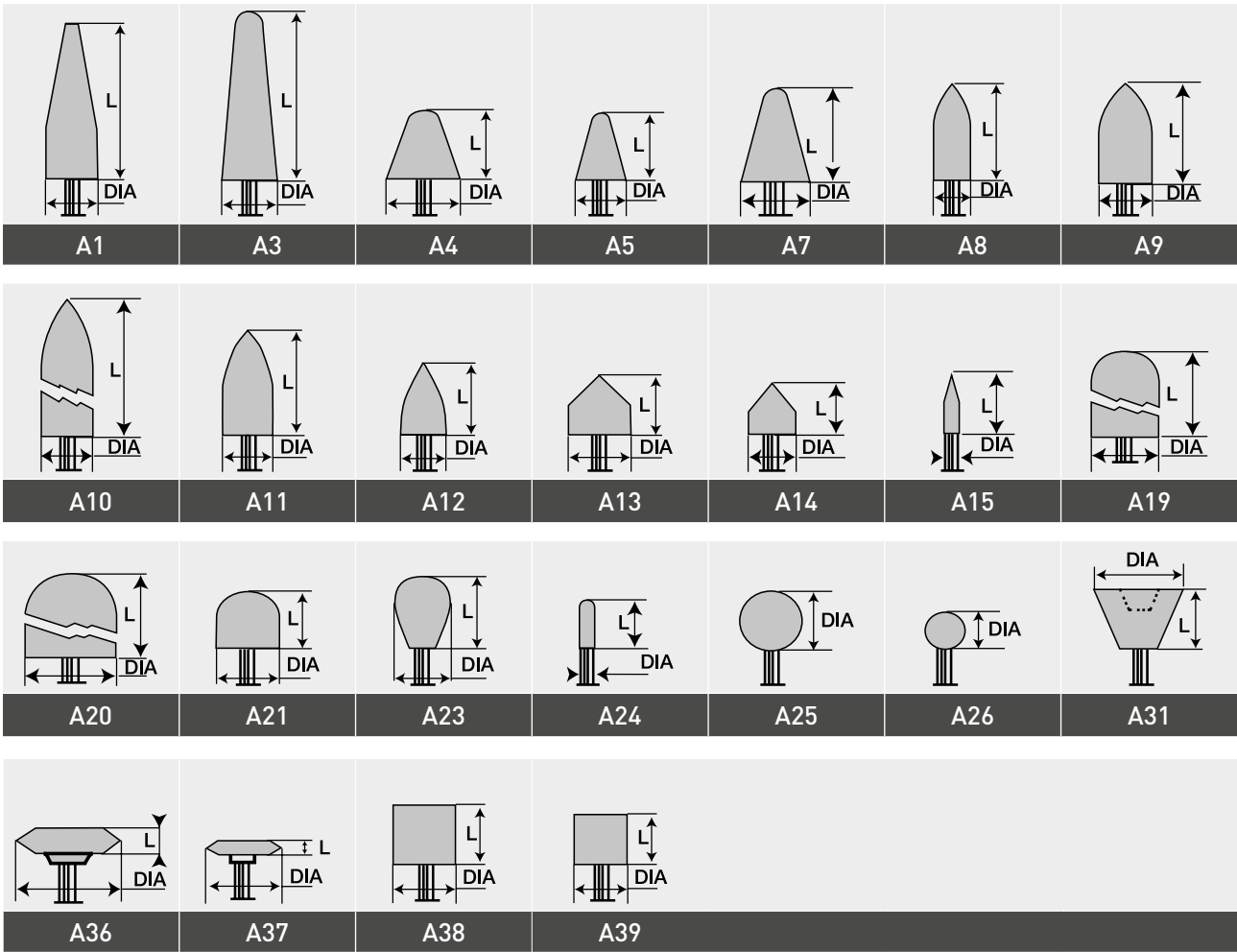
## **MOUNTED POINTS & WHEELS**

Vitrified mounted points  
Organic mounted points

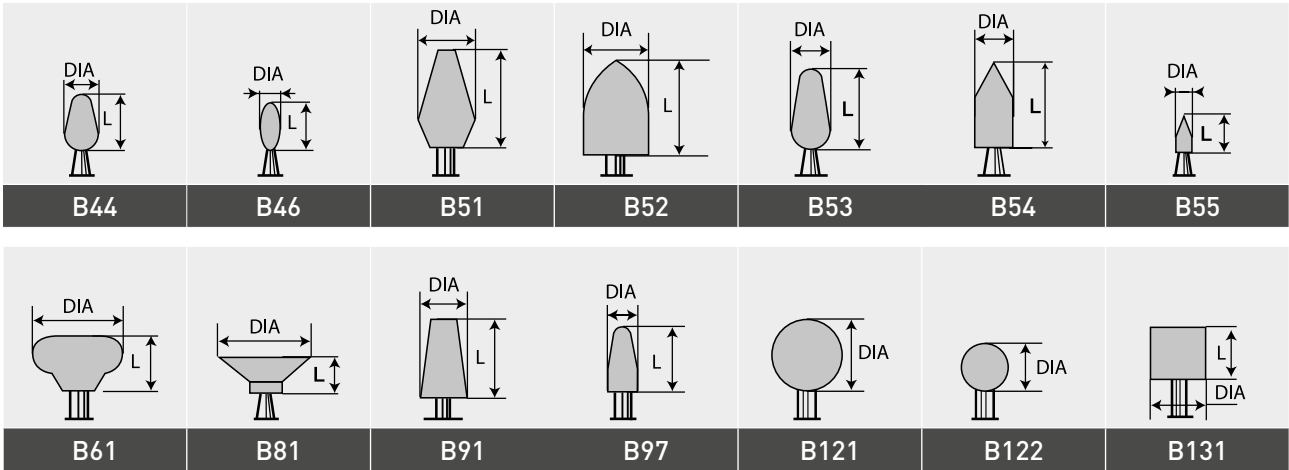
**249-260**

251  
259

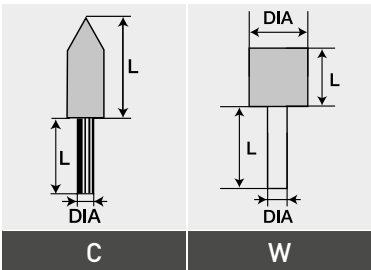
SHAPE A KEY



SHAPE B KEY



SHAPE C KEY    SHAPE W KEY





## VITRIFIED MOUNTED POINTS

The Norton vitrified mounted points range provides quality and efficiency in grinding operations. The high quality grain ensures a perfect surface finish with metallographic integrity. For small jobs or high volume foundry and casting operations, or for tool room or aerospace industry applications, Norton vitrified mounted points cut cooler, and provide up to 30% higher metal removal rates.



### **NEW** NQ VITRIFIED ++++

Unique, engineered ceramic grain shape and chemistry with proven bond technology for the coolest cut

- Sharp grain for the ultimate free cutting action and self sharpening action to eliminate glazing
- Versatile, optimized for all low, medium and high force applications
- Exceptional productivity and life
- Fastest operations on heat sensitive alloys (Fe and Ni based) and hardened metals
- Best solution for aerospace components like blades and vanes



### 86A/40A VITRIFIED +++

Highly refined pink aluminium oxide abrasive

- Friable grain for good cutting performance
- Long lasting profile tool
- Versatile for large variety of steels
- Reduced dress frequency



### 38A VITRIFIED +++

Pure white aluminium oxide abrasive

- Most friable alumina grain for easy and cool cut
- Good value for general purpose, small applications
- Compatible with most of the steel alloys
- Cool cutting, less burn
- Excellent price vs performance ratio



### 39C VITRIFIED +++

Highest purity green silicon carbide abrasive

- Suitable for use on castings for heavy-duty edge grinding
- Very hard and durable with excellent edge-holding capability
- Low wear rate for long product life



## BONDED ABRASIVES MOUNTED POINTS & WHEELS

### GRAIN COLOUR CODE

NQ
  NQ Vit<sup>3</sup>
 86A/40A
  38A
  39C

| SHAPE | DIM<br>DxL (mm) | SPINDLE<br>DxL (mm) | SPECIFICATION                                                                                                                             | ART. NO.    | MOS<br>(RPM) | PK QTY | PRICE  | QUALITY TIER |
|-------|-----------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------|--------|--------------|
| A11   | 22x45           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463620969 | 18000        | 10     | £00.00 | +++++        |
| A1    | 20x65           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463688951 | 15000        | 10     | £00.00 | +++++        |
| A5    | 20x28           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463688954 | 30000        | 10     | £00.00 | +++++        |
| A21   | 25x25           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463688956 | 25000        | 10     | £00.00 | +++++        |
| A26   | Ø16             | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463688957 | 54000        | 10     | £00.00 | +++++        |
| A36   | 40x10           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463688960 | 25000        | 10     | £00.00 | +++++        |
| A39   | 20x20           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463689938 | 25000        | 10     | £00.00 | +++++        |
| A26   | Ø16             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #A9A9A9; border: 1px solid black;"></span> 38A 90 R 9 VM | 63642561043 | 54000        | 10     | £00.00 | +++          |
| A38   | 25x25           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253054946 | 25000        | 10     | £00.00 | +++++        |
| A19   | 30x50           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253054961 | 13000        | 10     | £00.00 | +++++        |
| A3    | 22x70           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 36 O VS   | 66253055021 | 14000        | 10     | £00.00 | +++++        |
| A7    | 30x50           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 36 O VS   | 66253055022 | 13000        | 10     | £00.00 | +++++        |
| A5    | 20x28           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253055094 | 30000        | 10     | £00.00 | +++++        |
| A11   | 22x45           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 36 O VS   | 66253055095 | 18000        | 10     | £00.00 | ++++         |
| A12   | 18x30           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 P VS   | 66253055096 | 30000        | 10     | £00.00 | ++++         |
| A15   | 6x25            | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 O VS   | 66253055126 | 30000        | 10     | £00.00 | ++++         |
| A24   | 6x20            | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253055127 | 41000        | 10     | £00.00 | ++++         |
| A25   | Ø25             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253055128 | 25000        | 10     | £00.00 | ++++         |
| A36   | 40x10           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253055129 | 25000        | 10     | £00.00 | ++++         |
| A26   | Ø16             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 46 O VS   | 66253055204 | 54000        | 10     | £00.00 | ++++         |
| A3    | 22x70           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253055212 | 14000        | 10     | £00.00 | ++++         |
| A11   | 21x45           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253055214 | 18000        | 10     | £00.00 | ++++         |
| A1    | 20x65           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 60 O VS   | 66253055218 | 15000        | 10     | £00.00 | ++++         |
| A1    | 20x65           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 36 O VS   | 66253055235 | 15000        | 10     | £00.00 | ++++         |
| A10   | 22x70           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 36 P VS   | 66253055237 | 14000        | 10     | £00.00 | ++++         |
| A11   | 22x45           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 36 O VS   | 66253055307 | 18000        | 10     | £00.00 | ++++         |
| A8    | 20x50           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 36 O VS   | 66253055308 | 18000        | 10     | £00.00 | ++++         |
| A37   | 30x6            | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 O VS   | 66253055313 | 30000        | 10     | £00.00 | ++++         |
| A9    | 30x50           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 36 P VS   | 66253055395 | 13000        | 10     | £00.00 | ++++         |
| A5    | 20x28           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #A9A9A9; border: 1px solid black;"></span> 38A 60 R 9 VM | 69936613862 | 30000        | 10     | £00.00 | +++          |
| A3    | 22x70           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #A9A9A9; border: 1px solid black;"></span> 38A 36 T 6 VM | 69936623827 | 14000        | 10     | £00.00 | +++          |
| A11   | 22x45           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #A9A9A9; border: 1px solid black;"></span> 38A 36 T 6 VM | 69936623830 | 18000        | 10     | £00.00 | +++          |
| A1    | 20x65           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #A9A9A9; border: 1px solid black;"></span> 38A 60 R 9 VM | 69936635216 | 15000        | 10     | £00.00 | +++          |
| A3    | 22x70           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #A9A9A9; border: 1px solid black;"></span> 38A 60 R 9 VM | 69936643931 | 14000        | 10     | £00.00 | +++          |
| A11   | 22x45           | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #A9A9A9; border: 1px solid black;"></span> 38A 60 R 9 VM | 69936643935 | 18000        | 10     | £00.00 | +++          |
| B52   | 10x20           | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463688963 | 41000        | 10     | £00.00 | ++++         |
| B97   | 4x10            | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463688964 | 90000        | 10     | £00.00 | ++++         |
| B122  | Ø10             | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463688965 | 58000        | 10     | £00.00 | ++++         |
| B131  | 13x13           | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 O VS   | 61463689939 | 58000        | 10     | £00.00 | ++++         |
| B54   | 6x13            | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 O VS   | 66253055139 | 54000        | 10     | £00.00 | ++++         |
| B97   | 3x10            | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 O VS   | 66253055141 | 90000        | 10     | £00.00 | ++++         |
| B121  | Ø13             | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 O VS   | 66253055143 | 58000        | 10     | £00.00 | ++++         |
| B44   | 6x10            | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 O VS   | 66253055183 | 61000        | 10     | £00.00 | ++++         |
| B91   | 13x16           | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 P VS   | 66253055199 | 58000        | 10     | £00.00 | ++++         |
| B123  | 5x5             | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 O VS   | 66253055207 | 73000        | 10     | £00.00 | ++++         |
| B52   | 10x20           | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 P VS   | 66253055232 | 41000        | 10     | £00.00 | ++++         |
| B53   | 6x16            | 3x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #FF69B4; border: 1px solid black;"></span> 86A 90 P VS   | 66253055305 | 54000        | 10     | £00.00 | ++++         |

| SHAPE | DIM<br>DxL (mm) | SPINDLE<br>DxL (mm) | SPECIFICATION                                                                                     | ART. NO.    | MOS<br>(RPM) | PK QTY | PRICE  | QUALITY TIER |
|-------|-----------------|---------------------|---------------------------------------------------------------------------------------------------|-------------|--------------|--------|--------|--------------|
| B97   | 4x10            | 3x40                |  38A 90 Q 9 VM   | 69936623856 | 90000        | 10     | £00.00 | +++          |
| B121  | Ø13             | 3x40                |  38A 90 S 9 VM   | 69936623857 | 58000        | 10     | £00.00 | +++          |
| B122  | Ø10             | 3x40                |  38A 90 Q 9 VM   | 69936623858 | 58000        | 10     | £00.00 | +++          |
| B44   | 6x10            | 3x40                |  38A 90 S 9 VM   | 69936626239 | 61000        | 10     | £00.00 | +++          |
| B46   | 3x8             | 3x40                |  38A 90 S 9 VM   | 69936626240 | 90000        | 10     | £00.00 | +++          |
| B123  | Ø5              | 3x40                |  38A 90 R VM     | 69936630653 | 73000        | 10     | £00.00 | +++          |
| B52   | 10x20           | 3x40                |  38A 90 S 9 VM   | 69936643938 | 41000        | 10     | £00.00 | +++          |
| B53   | 8x16            | 6x40                |  38A 90 S 9 VM   | 69936690891 | 54000        | 10     | £00.00 | +++          |
| C262  | 16x32           | 3x40                |  38A 90 S VM     | 69936634345 | 25000        | 10     | £00.00 | +++          |
| W154  | 5x13            | 3x40                |  3NQ 80 O VS     | 61463688966 | 70000        | 10     | £00.00 | ++++         |
| W164  | 6x20            | 6x40                |  3NQ 80 O VS     | 61463688967 | 41000        | 10     | £00.00 | ++++         |
| W185  | 13x13           | 3x40                |  3NQ 80 O VS     | 61463688969 | 58000        | 10     | £00.00 | ++++         |
| W188  | 13x40           | 6x40                |  38A 46 S 8 VM   | 66243451690 | 20000        | 10     | £00.00 | ++++         |
| W205  | 20x25           | 6x40                |  86A 46 P VM     | 66243538896 | 32000        | -      | £00.00 | ++++         |
| W205  | 20x25           | 6x40                |  86A 36 P VS     | 66253054948 | 32000        | 10     | £00.00 | ++++         |
| W196  | 16x25           | 6x40                |  86A 90 P VS     | 66253054973 | 35000        | 10     | £00.00 | ++++         |
| W206  | 20x32           | 6x40                |  86A 60 P VS     | 66253055013 | 30000        | 10     | £00.00 | ++++         |
| W221  | 25x40           | 6x40                |  86A 36 O VS     | 66253055016 | 19000        | 10     | £00.00 | ++++         |
| W238  | 40x40           | 6x40                |  86A 36 P VS     | 66253055019 | 12000        | 10     | £00.00 | ++++         |
| W238  | 40x40           | 6x40                |  86A 60 O VS     | 66253055065 | 12000        | 10     | £00.00 | ++++         |
| W195  | 16x20           | 6x40                |  86A 60 P VS     | 66253055091 | 47000        | 10     | £00.00 | ++++         |
| W177  | 10x20           | 6x40                |  86A 60 Q VBEM | 66253055092 | 41000        | 10     | £00.00 | ++++         |
| W188  | 13x40           | 6x40                |  86A 90 P VS   | 66253055131 | 20000        | 10     | £00.00 | ++++         |
| W204  | 20x20           | 6x40                |  86A 60 P VS   | 66253055134 | 42000        | 10     | £00.00 | ++++         |
| W205  | 20x25           | 6x40                |  86A 60 P VS   | 66253055135 | 32000        | 10     | £00.00 | ++++         |
| W220  | 25x25           | 6x40                |  86A 60 O VS   | 66253055136 | 25000        | 10     | £00.00 | ++++         |
| W230  | 32x32           | 3x40                |  86A 60 O VS   | 66253055138 | 17000        | 10     | £00.00 | ++++         |
| W144  | 3x6             | 3x40                |  86A 90 O VS   | 66253055147 | 90000        | 10     | £00.00 | ++++         |
| W149  | 4x6             | 3x40                |  86A 90 P VS   | 66253055150 | 80000        | 10     | £00.00 | ++++         |
| W153  | 5x10            | 3x40                |  86A 90 P VS   | 66253055160 | 73000        | 10     | £00.00 | ++++         |
| W154  | 5x13            | 3x40                |  86A 90 O VS   | 66253055162 | 70000        | 10     | £00.00 | ++++         |
| W162  | 6x10            | 3x40                |  86A 60 P VS   | 66253055166 | 61000        | 10     | £00.00 | ++++         |
| W163  | 6x13            | 3x40                |  86A 90 P VS   | 66253055167 | 54000        | 10     | £00.00 | ++++         |
| W171  | 8x20            | 3x40                |  86A 60 P VS   | 66253055171 | 41000        | 10     | £00.00 | ++++         |
| W175  | 10x10           | 3x40                |  86A 90 O VS   | 66253055173 | 61000        | 10     | £00.00 | +++++        |
| W162  | 6x10            | 6x40                |  86A 90 P VS   | 66253055206 | 61000        | 10     | £00.00 | ++++         |
| W163  | 6x13            | 6x40                |  86A 60 P VS   | 66253055210 | 54000        | 10     | £00.00 | ++++         |
| W230  | 32x32           | 6x40                |  86A 36 O VS   | 66253055221 | 17000        | 10     | £00.00 | ++++         |
| W179  | 10x32           | 6x40                |  86A 60 O VS   | 66253055223 | 25000        | 10     | £00.00 | ++++         |
| W220  | 25x25           | 6x40                |  86A 36 O VS   | 66253055231 | 25000        | 10     | £00.00 | ++++         |
| W170  | 8x13            | 6x40                |  86A 60 P VS   | 66253055248 | 54000        | 10     | £00.00 | ++++         |
| W232  | 32x50           | 6x40                |  86A 60 P VS   | 66253055300 | 11000        | 10     | £00.00 | ++++         |
| W236  | 40x13           | 6x40                |  86A 60 O VS   | 66253055304 | 25000        | 10     | £00.00 | ++++         |
| W176  | 10x13           | 6x40                |  86A 60 P VS   | 66253055315 | 54000        | 10     | £00.00 | ++++         |
| W169  | 8x10            | 6x40                |  86A 60 P VS   | 66253055398 | 61000        | 10     | £00.00 | ++++         |
| W196  | 16x25           | 6x40                |  86A 46 M VBEM | 69210449262 | 35000        | 20     | £00.00 | +++          |
| W195  | 16x20           | 6x40                |  38A 90 S VM   | 69936623840 | 47000        | 10     | £00.00 | +++          |
| W204  | 20x20           | 6x40                |  38A 60 R VM   | 69936623841 | 42000        | 10     | £00.00 | +++          |
| W220  | 25x25           | 6x40                |  38A 60 R 9 VM | 69936623845 | 25000        | 10     | £00.00 | +++          |
| W230  | 30x30           | 3x40                |  38A 60 R 9 VM | 69936623849 | 17000        | 10     | £00.00 | +++          |
| W238  | 40x40           | 3x40                |  38A 60 R 9 VM | 69936623850 | 12000        | 10     | £00.00 | +++          |



## BONDED ABRASIVES MOUNTED POINTS & WHEELS

### GRAIN COLOUR CODE

NQ
  NQ Vit<sup>3</sup>
 86A/40A
  38A
  39C

| SHAPE | DIM<br>DxL (mm) | SPINDLE<br>DxL (mm) | SPECIFICATION                                                                                     | ART. NO.    | MOS<br>(RPM) | PK QTY | PRICE  | QUALITY TIER |
|-------|-----------------|---------------------|---------------------------------------------------------------------------------------------------|-------------|--------------|--------|--------|--------------|
| W144  | 3x6             | 3x40                |  38A 90 S 9 VM   | 69936623859 | 90000        | 10     | £00.00 | +++          |
| W146  | 3x13            | 3x40                |  38A 90 R 9 VM   | 69936623861 | 80000        | 10     | £00.00 | +++          |
| W149  | 4x6             | 3x40                |  38A 90 S 9 VM   | 69936623862 | 80000        | 10     | £00.00 | +++          |
| W153  | 5x10            | 3x40                |  38A 90 Q 9 VM   | 69936623863 | 73000        | 10     | £00.00 | +++          |
| W154  | 5x13            | 3x40                |  38A 90 Q 9 VM   | 69936623864 | 70000        | 10     | £00.00 | +++          |
| W162  | 6x10            | 3x40                |  38A 60 R 9 VM   | 69936623866 | 61000        | 10     | £00.00 | +++          |
| W164  | 6x20            | 3x40                |  38A 90 S 9 VM   | 69936623869 | 41000        | 10     | £00.00 | +++          |
| W176  | 10x13           | 6x40                |  38A 60 R 9 VM   | 69936623872 | 54000        | 10     | £00.00 | +++          |
| W176  | 10x13           | 3x40                |  38A 90 R 9 VM   | 69936623873 | 54000        | 10     | £00.00 | +++          |
| W204  | 20x20           | 6x40                |  38A 36 T 6 VM   | 69936626238 | 42000        | 10     | £00.00 | +++          |
| W177  | 10x20           | 6x40                |  38A 90 S 9 VM   | 69936626743 | 41000        | 10     | £00.00 | +++          |
| W171  | 8x20            | 6x40                |  38A 90 S 9 VM   | 69936630875 | 41000        | 10     | £00.00 | +++          |
| W175  | 10x10           | 6x40                |  38A 90 S 9 VM   | 69936631248 | 61000        | 10     | £00.00 | +++          |
| W197  | 16x50           | 6x40                |  38A 46 S 8 VM  | 69936631541 | 18000        | 10     | £00.00 | +++          |
| W230  | 30x30           | 6x40                |  38A 36 T 6 VM | 69936635225 | 17000        | 10     | £00.00 | +++          |
| W177  | 10x20           | 6x40                |  38A 60 R VM   | 69936637149 | 41000        | 10     | £00.00 | +++          |
| W176  | 10x13           | 6x40                |  38A 90 S VM   | 69936637874 | 54000        | 10     | £00.00 | +++          |
| W179  | 10x30           | 3x40                |  38A 60 R 9 VM | 69936637875 | 25000        | 10     | £00.00 | +++          |
| W236  | 40x12           | 3x40                |  38A 46 S 8 VM | 69936637876 | 25000        | 10     | £00.00 | +++          |
| W162  | 6x10            | 6x40                |  38A 90 S 9 VM | 69936637877 | 61000        | 10     | £00.00 | +++          |
| W171  | 8x20            | 3x40                |  38A 90 S 9 VM | 69936637878 | 41000        | 10     | £00.00 | +++          |
| W220  | 25x25           | M4M                 |  38A 36 T 6 V  | 69936643936 | 25000        | 10     | £00.00 | +++          |
| W144  | 3x6             | 3x40                |  5NQ 60 R VS3  | 66253478595 | 105000       | 10     | £00.00 | +++++        |
| W144  | 3x6             | 3x40                |  5NQ 80 R VS3  | 66253478592 | 105000       | 10     | £00.00 | +++++        |
| W144  | 3x6             | 3x40                |  5NQ 100 R VS3 | 66253478593 | 105000       | 10     | £00.00 | +++++        |
| W144  | 3x6             | 3x40                |  5NQ 120 R VS3 | 66253478594 | 105000       | 10     | £00.00 | +++++        |
| W144  | 3x6             | 6x40                |  5NQ 100 R VS3 | 66253480442 | 105000       | 10     | £00.00 | +++++        |
| W144  | 3x6             | 6x40                |  5NQ 120 R VS3 | 66253480444 | 105000       | 10     | £00.00 | +++++        |
| -*    | 3x8             | 6x40                |  5NQ 100 R VS3 | 66253480445 | 105000       | 10     | £00.00 | +++++        |
| W145  | 3x10            | 3x40                |  5NQ 100 R VS3 | 66253478596 | 105000       | 10     | £00.00 | +++++        |
| W146  | 3x13            | 3x40                |  5NQ 100 R VS3 | 66253478597 | 105000       | 10     | £00.00 | +++++        |
| W149  | 4x6             | 3x40                |  5NQ 60 R VS3  | 66253478599 | 105000       | 10     | £00.00 | +++++        |
| W149  | 4x6             | 3x40                |  5NQ 100 R VS3 | 66253478598 | 105000       | 10     | £00.00 | +++++        |
| -*    | 4x8             | 3x40                |  5NQ 60 R VS3  | 66253478600 | 105000       | 10     | £00.00 | +++++        |
| W155  | 4x8             | 3x40                |  39C 80 S VM   | 66253478601 | 105000       | 10     | £00.00 | +++++        |
| -*    | 4x8             | 3x40                |  5NQ 100 R VS3 | 66253478602 | 105000       | 10     | £00.00 | +++++        |
| -*    | 4x8             | 6x40                |  5NQ 60 R VS3  | 66253478997 | 65000        | 10     | £00.00 | +++++        |
| -*    | 4x8             | 6x40                |  5NQ 80 R VS3  | 66253478998 | 65000        | 10     | £00.00 | +++++        |
| -*    | 4x8             | 6x40                |  5NQ 100 R VS3 | 66253478999 | 65000        | 10     | £00.00 | +++++        |
| -*    | 5x6             | 3x40                |  5NQ 100 R VS3 | 66253477241 | 105000       | 10     | £00.00 | +++++        |
| -*    | 5x8             | 6x40                |  5NQ 80 R VS3  | 66253479000 | 65000        | 10     | £00.00 | +++++        |
| W153  | 5x10            | 3x40                |  5NQ 60 R VS3  | 66253477243 | 80000        | 10     | £00.00 | +++++        |
| W153  | 5x10            | 3x40                |  39C 80 S VM   | 66253478603 | 80000        | 10     | £00.00 | +++          |
| W153  | 5x10            | 3x40                |  5NQ 100 R VS3 | 66253477246 | 80000        | 10     | £00.00 | +++++        |
| W153  | 5x10            | 6x40                |  5NQ 60 R VS3  | 66253479001 | 62000        | 10     | £00.00 | +++++        |
| W153  | 5x10            | 6x40                |  5NQ 80 R VS3  | 66253479002 | 62000        | 10     | £00.00 | +++++        |
| W153  | 5x10            | 6x40                |  5NQ 100 R VS3 | 66253479003 | 62000        | 10     | £00.00 | +++++        |

\*Shape not available in the US ANSI code

| SHAPE | DIM<br>DxL (mm) | SPINDLE<br>DxL (mm) | SPECIFICATION | ART. NO.    | MOS<br>(RPM) | PK QTY | PRICE  | QUALITY TIER |
|-------|-----------------|---------------------|---------------|-------------|--------------|--------|--------|--------------|
| W154  | 5x13            | 3x40                | 5NQ 60 R VS3  | 66253477248 | 70500        | 10     | €00.00 | *****        |
| W154  | 5x13            | 3x40                | 5NQ 100 R VS3 | 66253477249 | 70500        | 10     | €00.00 | *****        |
| -*    | 5x15            | 3x40                | 5NQ 60 R VS3  | 66253477251 | 70500        | 10     | €00.00 | *****        |
| W158  | 6x3             | 3x40                | 5NQ 100 R VS3 | 66253480308 | 85000        | 10     | €00.00 | *****        |
| W162  | 6x10            | 3x40                | 5NQ 80 R VS3  | 66253478605 | 68400        | 10     | €00.00 | *****        |
| W162  | 6x10            | 3x40                | 39C 80 S VM   | 66253478604 | 68400        | 10     | €00.00 | ***          |
| W162  | 6x10            | 3x40                | 5NQ 100 R VS3 | 66253477259 | 68400        | 10     | €00.00 | *****        |
| W162  | 6x10            | 6x40                | 5NQ 60 R VS3  | 66253479004 | 62000        | 10     | €00.00 | *****        |
| W162  | 6x10            | 6x40                | 5NQ 80 R VS3  | 66253479005 | 62000        | 10     | €00.00 | *****        |
| W163  | 6x13            | 3x40                | 5NQ 60 R VS3  | 66253477264 | 60000        | 10     | €00.00 | *****        |
| W163  | 6x13            | 3x40                | 5NQ 80 R VS3  | 66253477265 | 60000        | 10     | €00.00 | *****        |
| W163  | 6x13            | 3x40                | 5NQ 100 R VS3 | 66253477266 | 60000        | 10     | €00.00 | *****        |
| W163  | 6x13            | 6x40                | 5NQ 100 R VS3 | 66253479006 | 62000        | 10     | €00.00 | *****        |
| W164  | 6x20            | 3x40                | 5NQ 60 R VS3  | 66253477267 | 45900        | 10     | €00.00 | *****        |
| W164  | 6x20            | 3x40                | 5NQ 100 R VS3 | 66253477268 | 45900        | 10     | €00.00 | *****        |
| -*    | 6x25            | 3x40                | 5NQ 60 R VS3  | 66253479396 | 45900        | 10     | €00.00 | *****        |
| -*    | 7x10            | 6x40                | 5NQ 80 R VS3  | 66253479007 | 62000        | 10     | €00.00 | *****        |
| W165  | 8x2             | 3x40                | 5NQ 100 R VS3 | 66253480309 | 61500        | 10     | €00.00 | *****        |
| W169  | 8x10            | 3x40                | 5NQ 46 R VS3  | 66253477269 | 61500        | 10     | €00.00 | *****        |
| W169  | 8x10            | 3x40                | 5NQ 80 R VS3  | 66253478607 | 61500        | 10     | €00.00 | *****        |
| W169  | 8x10            | 3x40                | 39C 80 R VM   | 66253478606 | 61500        | 10     | €00.00 | ***          |
| W169  | 8x10            | 3x40                | 5NQ 100 R VS3 | 66253477271 | 61500        | 10     | €00.00 | *****        |
| W169  | 8x10            | 6x40                | 5NQ 60 R VS3  | 66253479008 | 57500        | 10     | €00.00 | *****        |
| W169  | 8x10            | 6x40                | 5NQ 80 R VS3  | 66253479009 | 57500        | 10     | €00.00 | *****        |
| -*    | 8x12            | 6x40                | 5NQ 80 R VS3  | 66253479010 | 57500        | 10     | €00.00 | *****        |
| W170  | 8x13            | 3x40                | 5NQ 46 R VS3  | 66253477392 | 52500        | 10     | €00.00 | *****        |
| W170  | 8x13            | 3x40                | 5NQ 80 R VS3  | 66253477272 | 52500        | 10     | €00.00 | *****        |
| -*    | 8x16            | 3x40                | 5NQ 46 R VS3  | 66253477393 | 52500        | 10     | €00.00 | *****        |
| -*    | 8x16            | 3x40                | 5NQ 60 R VS3  | 66253477394 | 52500        | 10     | €00.00 | *****        |
| -*    | 8x16            | 3x40                | 5NQ 80 R VS3  | 66253477395 | 52500        | 10     | €00.00 | *****        |
| -*    | 8x16            | 6x40                | 5NQ 46 R VS3  | 66253477396 | 57500        | 10     | €00.00 | *****        |
| -*    | 8x16            | 6x40                | 5NQ 60 R VS3  | 66253477397 | 57500        | 10     | €00.00 | *****        |
| -*    | 8x16            | 6x40                | 5NQ 80 R VS3  | 66253477398 | 57500        | 10     | €00.00 | *****        |
| -*    | 8x20            | 6x40                | 5NQ 60 R VS3  | 66253477399 | 57500        | 10     | €00.00 | *****        |
| -*    | 9x12            | 6x40                | 5NQ 80 R VS3  | 66253477400 | 54000        | 10     | €00.00 | *****        |
| W172  | 10x2            | 3x40                | 5NQ 60 R VS3  | 66253480311 | 35000        | 10     | €00.00 | *****        |
| W172  | 10x2            | 3x40                | 5NQ 100 R VS3 | 66253480314 | 35000        | 10     | €00.00 | *****        |
| W173  | 10x3            | 3x40                | 5NQ 60 R VS3  | 66253480318 | 33000        | 10     | €00.00 | *****        |
| W173  | 10x3            | 3x40                | 5NQ 100 R VS3 | 66253480315 | 33000        | 10     | €00.00 | *****        |
| W175  | 10x10           | 3x40                | 5NQ 46 R VS3  | 66253477401 | 54000        | 10     | €00.00 | *****        |
| W175  | 10x10           | 3x40                | 5NQ 60 R VS3  | 66253477402 | 54000        | 10     | €00.00 | *****        |
| W175  | 10x10           | 3x40                | 5NQ 80 R VS3  | 66253478609 | 54000        | 10     | €00.00 | *****        |
| W175  | 10x10           | 3x40                | 39C 80 S VM   | 66253478608 | 54000        | 10     | €00.00 | ***          |
| W175  | 10x10           | 6x40                | 5NQ 60 R VS3  | 66253477404 | 54000        | 10     | €00.00 | *****        |
| W175  | 10x10           | 6x40                | 5NQ 80 R VS3  | 66253477405 | 54000        | 10     | €00.00 | *****        |
| -*    | 10x12           | 6x40                | 5NQ 80 R VS3  | 66253477406 | 54000        | 10     | €00.00 | *****        |
| W176  | 10x13           | 3x40                | 5NQ 46 R VS3  | 66253477408 | 45370        | 10     | €00.00 | *****        |
| W176  | 10x13           | 3x40                | 5NQ 80 R VS3  | 66253477407 | 45370        | 10     | €00.00 | *****        |
| W176  | 10x13           | 3x40                | 5NQ 80 R VS3  | 66253480919 | 45370        | 10     | €00.00 | *****        |
| W176  | 10x13           | 3x40                | 39C 80 S VM   | 66253480899 | 45370        | 10     | €00.00 | ***          |

\*Shape not available in the US ANSI code

## BONDED ABRASIVES MOUNTED POINTS & WHEELS

### GRAIN COLOUR CODE

NQ
  NQ Vit<sup>3</sup>
 86A/40A
  38A
  39C

| SHAPE | DIM<br>DxL (mm) | SPINDLE<br>DxL (mm) | SPECIFICATION                                                                                     | ART. NO.    | MOS<br>(RPM) | PK QTY | PRICE  | QUALITY TIER |
|-------|-----------------|---------------------|---------------------------------------------------------------------------------------------------|-------------|--------------|--------|--------|--------------|
| W176  | 10x13           | 3x40                |  5NQ 100 R VS3   | 66253477410 | 45370        | 10     | £00.00 | +++++        |
| W176  | 10x13           | 6x40                |  5NQ 46 R VS3    | 66253477412 | 45370        | 10     | £00.00 | +++++        |
| W176  | 10x13           | 6x40                |  5NQ 80 R VS3    | 66253477413 | 45370        | 10     | £00.00 | +++++        |
| W176  | 10x13           | 6x40                |  39C 80 S VM     | 66253478610 | 45370        | 10     | £00.00 | +++          |
| W177  | 10x20           | 6x40                |  5NQ 46 R VS3    | 66253477415 | 46500        | 10     | £00.00 | +++++        |
| W177  | 10x20           | 6x40                |  5NQ 80 R VS3    | 66253478612 | 46500        | 10     | £00.00 | +++++        |
| W177  | 10x20           | 6x40                |  39C 80 S VM     | 66253478611 | 46500        | 10     | £00.00 | +++          |
| W178  | 10x25           | 6x40                |  5NQ 46 R VS3    | 66253477417 | 40500        | 10     | £00.00 | +++++        |
| W178  | 10x25           | 6x40                |  5NQ 80 R VS3    | 66253477418 | 40500        | 10     | £00.00 | +++++        |
| W179  | 10x32           | 6x40                |  5NQ 46 R VS3    | 66253477419 | 33750        | 10     | £00.00 | +++++        |
| W179  | 10x32           | 6x40                |  5NQ 80 R VS3    | 66253477420 | 33750        | 10     | £00.00 | +++++        |
| -*    | 10x40           | 6x40                |  5NQ 46 R VS3    | 66253477421 | 33750        | 10     | £00.00 | +++++        |
| -*    | 10x40           | 6x40                |  5NQ 60 R VS3    | 66253477422 | 33750        | 10     | £00.00 | +++++        |
| -*    | 12x15           | 6x40                |  5NQ 80 R VS3    | 66253477423 | 33750        | 10     | £00.00 | +++++        |
| -*    | 13x3            | 3x40                |  5NQ 60 R VS3    | 66253480327 | 28000        | 10     | £00.00 | +++++        |
| -*    | 13x3            | 3x40                |  5NQ 100 R VS3  | 66253480329 | 28000        | 10     | £00.00 | +++++        |
| W185  | 13x13           | 3x40                |  5NQ 46 R VS3  | 66253478224 | 34500        | 10     | £00.00 | +++++        |
| W185  | 13x13           | 3x40                |  5NQ 60 R VS3  | 66253478225 | 34500        | 10     | £00.00 | +++++        |
| W185  | 13x13           | 3x40                |  5NQ 80 R VS3  | 66253478226 | 34500        | 10     | £00.00 | +++++        |
| W185  | 13x13           | 6x40                |  5NQ 46 R VS3  | 66253478237 | 42000        | 10     | £00.00 | +++++        |
| W185  | 13x13           | 6x40                |  5NQ 60 R VS3  | 66253478238 | 42000        | 10     | £00.00 | +++++        |
| W186  | 13x20           | 6x40                |  5NQ 60 R VS3  | 66253478240 | 36000        | 10     | £00.00 | +++++        |
| W186  | 13x20           | 6x40                |  5NQ 80 R VS3  | 66253478613 | 36000        | 10     | £00.00 | +++++        |
| W186  | 13x20           | 6x40                |  39C 80 S VM   | 66253478614 | 36000        | 10     | £00.00 | +++          |
| W187  | 13x25           | 6x40                |  5NQ 46 R VS3  | 66253478244 | 30000        | 10     | £00.00 | +++++        |
| W187  | 13x25           | 6x40                |  5NQ 60 R VS3  | 66253478246 | 30000        | 10     | £00.00 | +++++        |
| W187  | 13x25           | 6x40                |  5NQ 80 R VS3  | 66253478248 | 30000        | 10     | £00.00 | +++++        |
| W188  | 13x32           | 6x40                |  5NQ 36 R VS3  | 66253478255 | 30000        | 10     | £00.00 | +++++        |
| W188  | 13x32           | 6x40                |  5NQ 46 R VS3  | 66253478256 | 30000        | 10     | £00.00 | +++++        |
| W188  | 13x32           | 6x40                |  5NQ 80 R VS3  | 66253480917 | 30000        | 10     | £00.00 | +++++        |
| W188  | 13x32           | 6x40                |  39C 80 S VM   | 66253480918 | 30000        | 10     | £00.00 | +++          |
| -*    | 13x40           | 6x40                |  5NQ 46 R VS3  | 66253478257 | 30000        | 10     | £00.00 | +++++        |
| -*    | 16x3            | 3x40                |  5NQ 60 R VS3  | 66253480331 | 25000        | 10     | £00.00 | +++++        |
| -*    | 16x3            | 3x40                |  5NQ 100 R VS3 | 66253480338 | 25000        | 10     | £00.00 | +++++        |
| -*    | 16x5            | 3x40                |  5NQ 46 R VS3  | 66253479397 | 34500        | 10     | £00.00 | +++++        |
| -*    | 16x5            | 3x40                |  5NQ 80 R VS3  | 66253479399 | 34500        | 10     | £00.00 | +++++        |
| -*    | 16x6            | 6x40                |  5NQ 46 R VS3  | 66253479401 | 30000        | 10     | £00.00 | +++++        |
| W194  | 16x16           | 6x40                |  5NQ 36 R VS3  | 66253478259 | 35000        | 10     | £00.00 | +++++        |
| W194  | 16x16           | 6x40                |  5NQ 46 R VS3  | 66253478260 | 35000        | 10     | £00.00 | +++++        |
| W194  | 16x16           | 6x40                |  5NQ 80 R VS3  | 66253480915 | 35000        | 10     | £00.00 | +++++        |
| W194  | 16x16           | 6x40                |  39C 80 S VM   | 66253480916 | 35000        | 10     | £00.00 | +++          |
| W195  | 16x20           | 6x40                |  5NQ 36 R VS3  | 66253479402 | 32000        | 10     | £00.00 | +++++        |
| W195  | 16x20           | 6x40                |  5NQ 36 R VS3  | 66253478261 | 32000        | 10     | £00.00 | +++++        |
| W195  | 16x20           | 6x40                |  5NQ 80 R VS3  | 66253480913 | 32000        | 10     | £00.00 | +++++        |
| W195  | 16x20           | 6x40                |  39C 80 S VM   | 66253480914 | 32000        | 10     | £00.00 | +++          |
| -*    | 16x32           | 6x40                |  5NQ 36 R VS3  | 66253479403 | 23000        | 10     | £00.00 | +++++        |
| W196  | 16x32           | 6x40                |  5NQ 36 R VS3  | 66253478616 | 23000        | 10     | £00.00 | +++++        |

\*Shape not available in the US ANSI code

| SHAPE | DIM<br>DxL (mm) | SPINDLE<br>DxL (mm) | SPECIFICATION                                                                                     | ART. NO.    | MOS<br>(RPM) | PK QTY | PRICE  | QUALITY TIER |
|-------|-----------------|---------------------|---------------------------------------------------------------------------------------------------|-------------|--------------|--------|--------|--------------|
| W196  | 16x32           | 6x40                |  39C 36 S VM     | 66253478615 | 23000        | 10     | €00.00 | ***          |
| W196  | 16x32           | 6x40                |  5NQ 46 R VS3    | 66253478264 | 23000        | 10     | €00.00 | *****        |
| W196  | 16x32           | 6x40                |  5NQ 60 R VS3    | 66253478265 | 23000        | 10     | €00.00 | *****        |
| W196  | 16x32           | 6x40                |  5NQ 80 R VS3    | 66253478618 | 23000        | 10     | €00.00 | *****        |
| W196  | 16x32           | 6x40                |  39C 80 S VM     | 66253478617 | 23000        | 10     | €00.00 | ***          |
| -*    | 16x40           | 6x40                |  5NQ 36 R VS3    | 66253478267 | 23000        | 10     | €00.00 | *****        |
| -*    | 16x40           | 6x40                |  5NQ 46 R VS3    | 66253478268 | 23000        | 10     | €00.00 | *****        |
| -*    | 16x40           | 6x40                |  5NQ 60 R VS3    | 66253478266 | 23000        | 10     | €00.00 | *****        |
| W197  | 16x50           | 6x40                |  5NQ 36 R VS3    | 66253478269 | 20000        | 10     | €00.00 | *****        |
| W197  | 16x50           | 6x40                |  5NQ 60 R VS3    | 66253478270 | 20000        | 10     | €00.00 | *****        |
| -*    | 19x3            | 3x40                |  5NQ 60 R VS3    | 66253480339 | 38250        | 10     | €00.00 | *****        |
| W201  | 20x6            | 3x40                |  5NQ 46 R VS3    | 66253478271 | 38250        | 10     | €00.00 | *****        |
| W201  | 20x6            | 3x40                |  5NQ 80 R VS3    | 66253478272 | 38250        | 10     | €00.00 | *****        |
| W201  | 20x6            | 6x40                |  5NQ 46 R VS3    | 66253478273 | 50000        | 10     | €00.00 | *****        |
| W201  | 20x6            | 6x40                |  5NQ 80 R VS3    | 66253478274 | 50000        | 10     | €00.00 | *****        |
| W202  | 20x10           | 6x40                |  5NQ 36 R VS3    | 66253478275 | 44000        | 10     | €00.00 | *****        |
| W202  | 20x10           | 6x40                |  5NQ 60 R VS3    | 66253478276 | 44000        | 10     | €00.00 | *****        |
| W203  | 20x13           | 6x40                |  5NQ 36 R VS3    | 66253478277 | 35000        | 10     | €00.00 | *****        |
| W204  | 20x20           | 6x40                |  5NQ 36 R VS3   | 66253478278 | 30000        | 10     | €00.00 | *****        |
| W204  | 20x20           | 6x40                |  5NQ 80 R VS3  | 66253480909 | 30000        | 10     | €00.00 | *****        |
| W204  | 20x20           | 6x40                |  39C 80 S VM   | 66253480910 | 30000        | 10     | €00.00 | ***          |
| W205  | 20x25           | 6x40                |  5NQ 46 R VS3  | 66253478279 | 25000        | 10     | €00.00 | *****        |
| W205  | 20x25           | 6x40                |  5NQ 60 R VS3  | 66253478280 | 25000        | 10     | €00.00 | *****        |
| W205  | 20x25           | 6x40                |  5NQ 80 R VS3  | 66253480911 | 25000        | 10     | €00.00 | *****        |
| W205  | 20x25           | 6x40                |  39C 80 S VM   | 66253480912 | 25000        | 10     | €00.00 | ***          |
| W206  | 20x32           | 6x40                |  5NQ 36 R VS3  | 66253478402 | 21000        | 10     | €00.00 | *****        |
| W206  | 20x32           | 6x40                |  5NQ 80 R VS3  | 66253478620 | 21000        | 10     | €00.00 | *****        |
| W206  | 20x32           | 6x40                |  39C 80 S VM   | 66253478619 | 21000        | 10     | €00.00 | ***          |
| W207  | 20x40           | 6x40                |  5NQ 36 R VS3  | 66253478404 | 20000        | 10     | €00.00 | *****        |
| W207  | 20x40           | 6x40                |  39C 36 S VM   | 66253478621 | 20000        | 10     | €00.00 | ***          |
| W207  | 20x40           | 6x40                |  5NQ 46 R VS3  | 66253478406 | 20000        | 10     | €00.00 | *****        |
| W207  | 20x40           | 6x40                |  5NQ 60 R VS3  | 66253478407 | 20000        | 10     | €00.00 | *****        |
| W207  | 20x40           | 6x40                |  5NQ 80 R VS3  | 66253480907 | 20000        | 10     | €00.00 | *****        |
| W207  | 20x40           | 6x40                |  39C 80 S VM   | 66253478405 | 20000        | 10     | €00.00 | ***          |
| W208  | 20x50           | 6x40                |  5NQ 36 R VS3  | 66253478623 | 35000        | 10     | €00.00 | *****        |
| W208  | 20x50           | 6x40                |  39C 36 S VM   | 66253478622 | 35000        | 10     | €00.00 | ***          |
| W215  | 25x3            | 3x40                |  5NQ 100 R VS3 | 66253480343 | 35000        | 10     | €00.00 | *****        |
| W216  | 25x6            | 6x40                |  5NQ 46 R VS3  | 66253479404 | 35000        | 10     | €00.00 | *****        |
| W216  | 25x6            | 6x40                |  5NQ 80 R VS3  | 66253479405 | 35000        | 10     | €00.00 | *****        |
| W217  | 25x10           | 6x40                |  5NQ 36 R VS3  | 66253478409 | 35000        | 10     | €00.00 | *****        |
| W217  | 25x10           | 6x40                |  5NQ 60 R VS3  | 66253478410 | 35000        | 10     | €00.00 | *****        |
| W218  | 25x13           | 6x40                |  5NQ 36 R VS3  | 66253478412 | 30000        | 10     | €00.00 | *****        |
| -*    | 25x16           | 6x40                |  5NQ 60 R VS3  | 66253478415 | 30000        | 10     | €00.00 | *****        |
| W220  | 25x25           | 6x40                |  5NQ 36 R VS3  | 66253478419 | 30000        | 10     | €00.00 | *****        |
| W221  | 25x32           | 6x40                |  5NQ 36 R VS3  | 66253478423 | 30000        | 10     | €00.00 | *****        |
| W221  | 25x32           | 6x40                |  39C 36 S VM   | 66253478624 | 30000        | 10     | €00.00 | ***          |
| -*    | 25x32           | 6x40                |  5NQ 60 R VS3  | 66253478431 | 30000        | 10     | €00.00 | *****        |
| W225  | 32x6            | 6x40                |  5NQ 46 R VS3  | 66253479395 | 25000        | 10     | €00.00 | *****        |
| W226  | 32x8            | 6x40                |  5NQ 36 R VS3  | 66253478433 | 25000        | 10     | €00.00 | *****        |
| W226  | 32x8            | 6x40                |  5NQ 60 R VS3  | 66253478435 | 25000        | 10     | €00.00 | *****        |

\*Shape not available in the US ANSI code

## BONDED ABRASIVES MOUNTED POINTS & WHEELS

### GRAIN COLOUR CODE

NQ
  NQ Vit<sup>3</sup>
 86A/40A
  38A
  39C

| SHAPE | DIM<br>DxL (mm)   | SPINDLE<br>DxL (mm) | SPECIFICATION                                                                                                                            | ART. NO.    | MOS<br>(RPM) | PK QTY | PRICE  | QUALITY TIER |
|-------|-------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------|--------|--------------|
| -*    | 32x16             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478437 | 25000        | 10     | £00.00 | +++++        |
| -*    | 32x16             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 46 R VS3 | 66253478438 | 25000        | 10     | £00.00 | +++++        |
| W228  | 32x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478440 | 20000        | 10     | £00.00 | +++++        |
| W228  | 32x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 46 R VS3 | 66253478441 | 20000        | 10     | £00.00 | +++++        |
| W230  | 32x32             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478626 | 15000        | 10     | £00.00 | +++++        |
| W230  | 32x32             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #2F4F4F; border: 1px solid black;"></span> 39C 36 S VM  | 66253478625 | 15000        | 10     | £00.00 | +++          |
| W230  | 32x32             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 46 R VS3 | 66253478443 | 15000        | 10     | £00.00 | +++++        |
| W230  | 32x32             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 80 R VS3 | 66253480906 | 15000        | 10     | £00.00 | +++++        |
| W230  | 32x32             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #2F4F4F; border: 1px solid black;"></span> 39C 80 S VM  | 66253478442 | 15000        | 10     | £00.00 | +++          |
| W231  | 32x40             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478444 | 13000        | 10     | £00.00 | +++++        |
| W231  | 32x40             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 46 R VS3 | 66253478447 | 13000        | 10     | £00.00 | +++++        |
| W231  | 32x40             | 8x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253479391 | 13000        | 10     | £00.00 | +++++        |
| W231  | 32x40             | 8x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #2F4F4F; border: 1px solid black;"></span> 39C 36 S VM  | 66253479390 | 13001        | 10     | £00.00 | +++          |
| W235  | 40x6              | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 46 R VS3 | 66253479392 | 25000        | 10     | £00.00 | +++++        |
| W236  | 40x10             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478449 | 25000        | 10     | £00.00 | +++++        |
| W236  | 40x10             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 60 R VS3 | 66253478450 | 25000        | 10     | £00.00 | +++++        |
| -*    | 40x15             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478451 | 25000        | 10     | £00.00 | +++++        |
| -*    | 40x15             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 60 R VS3 | 66253478454 | 25000        | 10     | £00.00 | +++++        |
| W237  | 40x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #2F4F4F; border: 1px solid black;"></span> 39C 36 S VM  | 66253478627 | 17000        | 10     | £00.00 | +++          |
| W237  | 40x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478457 | 17000        | 10     | £00.00 | +++++        |
| W237  | 40x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 46 R VS3 | 66253478458 | 17000        | 10     | £00.00 | +++++        |
| W237  | 40x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 80 R VS3 | 66253480904 | 17000        | 10     | £00.00 | +++++        |
| W237  | 40x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #2F4F4F; border: 1px solid black;"></span> 39C 80 S VM  | 66253481164 | 17000        | 10     | £00.00 | +++          |
| W237  | 40x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #2F4F4F; border: 1px solid black;"></span> 39C 46 S VM  | 66253481165 | 12000        | 10     | £00.00 | +++          |
| W237  | 40x20             | 8x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253479394 | 18000        | 10     | £00.00 | +++++        |
| W238  | 40x40             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478464 | 12000        | 10     | £00.00 | +++++        |
| W238  | 40x40             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 46 R VS3 | 66253478465 | 12000        | 10     | £00.00 | +++++        |
| W238  | 40x40             | 8x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #2F4F4F; border: 1px solid black;"></span> 39C 36 S VM  | 66253479384 | 12000        | 10     | £00.00 | +++          |
| -*    | 50x8              | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253480903 | 15000        | 10     | £00.00 | +++++        |
| -*    | 50x8              | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #2F4F4F; border: 1px solid black;"></span> 39C 36 S VM  | 66253478466 | 15000        | 10     | £00.00 | +++          |
| -*    | 50x13             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478467 | 15000        | 10     | £00.00 | +++++        |
| -*    | 50x13             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 60 R VS3 | 66253478468 | 15000        | 10     | £00.00 | +++++        |
| -*    | 50x13             | 8x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253479382 | 18000        | 10     | £00.00 | +++++        |
| W242  | 50x20             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478469 | 15000        | 10     | £00.00 | +++++        |
| W242  | 50x20             | 8x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253479381 | 15000        | 10     | £00.00 | +++++        |
| W242  | 50x25             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253478470 | 15000        | 10     | £00.00 | +++++        |
| W242  | 50x25             | 6x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 46 R VS3 | 66253478471 | 15000        | 10     | £00.00 | +++++        |
| W242  | 50x25             | 8x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253479380 | 15000        | 10     | £00.00 | +++++        |
| W243  | 50x40             | 8x40                | <span style="display: inline-block; width: 10px; height: 10px; background-color: #D3D3D3; border: 1px solid black;"></span> 5NQ 36 R VS3 | 66253479379 | 15000        | 10     | £00.00 | +++++        |
| KIT   | 6MM METRIC NQ KIT |                     | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 R VS  | 61463692247 | -            | -      | £00.00 | +++++        |
| KIT   | 3MM METRIC NQ KIT |                     | <span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span> 3NQ 80 R VS  | 61463692248 | -            | -      | £00.00 | +++++        |

\*Shape not available in the US ANSI code





## ORGANIC MOUNTED POINTS

Produced specifically for demanding applications, Norton organic mounted points work harder for you. With stock removal that's twice as fast and product life that's up to four times longer than their conventional aluminium oxide counterparts, organic mounted points increase productivity and clean more parts in less time, reducing your overall process cost.



### NZ ORGANIC ++++

Zirconia alumina self-sharpening abrasive and durable organic bond

- Up to 4x faster stock removal than aluminum oxide products for heavy duty operations
- Stable under high cutting pressure
- Designed for large scale removal
- Super long cutting action / long lasting



Use "A" shapes for medium to heavy duty blending  
Use "W" shapes for off hand and precision grinding of medium to heavy stock.



### A ORGANIC ++++

Brown aluminium oxide, tougher than pure white aluminium oxide abrasive

- Good cutting performance on medium to soft steels
- Suitable for carbon steel, HSS and alloyed steel

## BONDED ABRASIVES MOUNTED POINTS & WHEELS

### GRAIN COLOUR CODE

■ NZ ■ A

| SHAPE | DIM<br>DxL (mm) | SPINDLE<br>DxL (mm) | SPECIFICATION  | ART. NO.    | MOS<br>(RPM) | PK QTY | PRICE  | QUALITY TIER |
|-------|-----------------|---------------------|----------------|-------------|--------------|--------|--------|--------------|
| A1    | 20x65           | 6x40                | ■ 3N10Z24UBXR1 | 61463689077 | 15000        | 10     | £00.00 | +++++        |
| A3    | 22x70           | 6x40                | ■ 3N10Z24UBXR1 | 61463689079 | 14000        | 10     | £00.00 | +++++        |
| A5    | 20x28           | 6x40                | ■ 3N10Z24UBXR1 | 61463689081 | 30000        | 10     | £00.00 | +++++        |
| W177  | 10x20           | 6x40                | ■ 3N10Z24UBXR1 | 61463689084 | 66000        | 10     | £00.00 | +++++        |
| W178  | 10x25           | 6x40                | ■ 3N10Z24UBXR1 | 61463689085 | 55200        | 10     | £00.00 | +++++        |
| W189  | 13x50           | 6x40                | ■ 3N10Z24UBXR1 | 61463689089 | 30370        | 10     | £00.00 | +++++        |
| W188  | 13x40           | 6x40                | ■ 3N10Z24UBXR1 | 61463689090 | 30370        | 10     | £00.00 | +++++        |
| W204  | 20x20           | 6x40                | ■ 3N10Z24UBXR1 | 61463689091 | 42750        | 10     | £00.00 | +++++        |
| W205  | 20x25           | 6x40                | ■ 3N10Z24UBXR1 | 61463689093 | 34500        | 10     | £00.00 | +++++        |
| W207  | 20x40           | 6x40                | ■ 3N10Z24UBXR1 | 61463689095 | 24000        | 10     | £00.00 | +++++        |
| W220  | 25x25           | 6x40                | ■ 3N10Z24UBXR1 | 61463689097 | 25500        | 10     | £00.00 | +++++        |
| W230  | 30x30           | 6x40                | ■ 3N10Z24UBXR1 | 61463689099 | 24000        | 10     | £00.00 | +++++        |
| W236  | 40x12           | 6x40                | ■ 3N10Z24UBXR1 | 61463689100 | 25130        | 10     | £00.00 | +++++        |
| W188  | 13x40           | 6x40                | ■ A 36 Q 4 B   | 66253053225 | 30370        | 20     | £00.00 | +++          |
| W220  | 25x25           | 6x40                | ■ A 46 Q 4 B   | 66253053237 | 25500        | 20     | £00.00 | +++          |
| W221  | 25x40           | 6x40                | ■ A 46 Q 4 B   | 66253053243 | 19120        | 20     | £00.00 | +++          |
| W230  | 32x32           | 6x40                | ■ A 36 Q 4 B   | 66253053250 | 24000        | 20     | £00.00 | +++          |
| W236  | 40x13           | 6x40                | ■ A 46 Q 4 B   | 66253053251 | 25130        | 20     | £00.00 | +++          |
| KIT   | 6mm METRIC NZ   |                     | ■ NZ           | 66253145961 | -            | -      | £00.00 | +++++        |





**NORTON**

SAINT-GOBAIN®

BONDED  
ABRASIVES

# DRESSING STICKS & SHARPENING STONES

## **DRESSING STICKS & SHARPENING STONES 261-270**

|                                 |     |
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| Dressing sticks                 | 262 |
| Bench & combination oil stoness | 264 |
| Abrasive & precision files      | 266 |
| Abrasive slips and specialties  | 269 |
| Reinforced wheels               | 274 |





## DRESSING STICKS

Norton dressing sticks are designed to help you achieve maximum performance from your vitrified wheels. Use for truing, cleaning, and dressing diamond, CBN and conventional abrasive wheels.

### NORBIDE

- Manufactured from sintered boron carbide
- Extremely hard & very dense
- Excellent chemical & wear resistance
- Long product life, reduced maintenance & less downtime
- Suitable also for dressing tool & cutter wheels 200mm & smaller, especially cup & dish shapes

| SHAPE       | DIM<br>WxHxL (mm) | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|-------------|-------------------|---------------|--------|-------------|--------|
| RECTANGULAR | 5x12,7x76,2       | NORBIDE       | 1      | 61463610148 | £00.00 |



### 39C

- Highest purity green silicon carbide abrasive
- Harder & more friable than aluminium oxide abrasive
- Ideal for dressing conventional vitrified grinding wheels
- Outperforms 37C for better cutting efficiency & longer life

| SHAPE       | DIM<br>WxHxL (mm) | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|-------------|-------------------|---------------|--------|-------------|--------|
| RECTANGULAR | 25x50x200         | 39C 60 KV     | 1      | 69936685066 | £00.00 |



## 37C

- High purity black silicon carbide abrasive
- Harder & more friable than aluminium oxide abrasive
- Ideal for dressing conventional vitrified grinding wheels

| SHAPE                                               | DIM<br>WxHxL/DIAxL (mm) | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|-----------------------------------------------------|-------------------------|---------------|--------|-------------|--------|
| DRESSING STICKS FOR SUPER ABRASIVE GRINDING WHEELS  |                         |               |        |             |        |
| SQUARE                                              | 13x13x150               | 37C 80 MV     | 10     | 69936685063 | £00.00 |
|                                                     |                         | 37C 320 HV    | 10     | 66243453547 | £00.00 |
| DRESSING STICKS FOR BONDED ABRASIVE GRINDING WHEELS |                         |               |        |             |        |
| RECTANGULAR                                         | 25x50x200               | 37C 24 TV     | 10     | 69936685072 | £00.00 |
| SQUARE                                              | 25x25x150               | 37C 30 UV     | 10     | 69936624620 | £00.00 |
| ROUND                                               | 25,4x203,2              | 37C 30 TV     | 10     | 61463625024 | £00.00 |



## 38A

- High purity white aluminium oxide abrasive
- Friable abrasive
- Ideal for dressing CBN Super Abrasive wheels

| SHAPE                                              | DIM<br>WxHxL (mm) | SPECIFICATION                   | PK QTY | ART. NO.    | PRICE  |
|----------------------------------------------------|-------------------|---------------------------------|--------|-------------|--------|
| DRESSING STICKS FOR SUPER ABRASIVE GRINDING WHEELS |                   |                                 |        |             |        |
| RECTANGULAR                                        | 13x25x150         | 38A 150 HVBE                    | 10     | 61463605565 | £00.00 |
|                                                    |                   | 38A 220 HVBE                    | 10     | 61463605066 | £00.00 |
|                                                    |                   | 38A 320 HVBE                    | 10     | 69936684889 | £00.00 |
| SQUARE                                             | 13x13x150         | 38A 220 HVS                     | 10     | 69936682631 | £00.00 |
|                                                    |                   | 38A 150 IVBE                    | 10     | 69936682314 | £00.00 |
|                                                    | 20x20x200         | 38A 150 HVBE                    | 10     | 69936685064 | £00.00 |
|                                                    |                   | 38A 220 IVBE                    | 10     | 61463603606 | £00.00 |
|                                                    |                   | GENERAL PURPOSE DRESSING STICKS |        |             |        |
| RECTANGULAR                                        | 13x25x150         | 38A 220 KV                      | 10     | 66243460886 | £00.00 |



Use 38A dressing sticks to dress CBN wheels  
Use 37C dressing sticks to dress Diamond wheels.





## BENCH & COMBINATION OIL STONES

Since 1823, Norton has been the leading supplier of benchstones, files, slips and rubbing bricks. Our comprehensive line of sharpening and finishing stones delivers superior performance solutions.

### PRODUCT SELECTION

| APPLICATION  | COARSE / MEDIUM SHARPENING         | FINE STONING                      |
|--------------|------------------------------------|-----------------------------------|
| Carbide tool | Medium & coarse, Crystolon Bench   | Fine Crystolon Bench              |
|              | Coarse/fine Crystolon, Combination | Coarse/fine Crystolon Combination |
| Steel tool   | Medium & coarse India Bench        | Fine India Bench                  |
|              | Coarse/fine India Combination      | Coarse/fine India Combination     |

### CRYSTOLON

- Premium silicon carbide abrasive
- Pre-filled with oil
- Fast cutting stone; ideal for general sharpening of cutting tools
- Fast stock removal for quick edge shaping with minimal loading
- Saves time by eliminating the need for pre-soaking prior to use

| DIM<br>LxWxH (mm)             | TYPE  | SPECIFICATION         | PK QTY | ART. NO.    | PRICE  |
|-------------------------------|-------|-----------------------|--------|-------------|--------|
| <b>BENCH STONES</b>           |       |                       |        |             |        |
| 102x25x13                     | MJB24 | Medium Crystolon      | 5      | 61463685480 | £00.00 |
| 152x51x25                     | MJB6  | Medium Crystolon      | 5      | 61463685505 | £00.00 |
|                               | FJB6  | Fine Crystolon        | 5      | 61463685500 | £00.00 |
| <b>COMBINATION OIL STONES</b> |       |                       |        |             |        |
| 102x44x16                     | JB134 | Coarse/Fine Crystolon | 5      | 61463685440 | £00.00 |
| 127x51x19                     | JB45  | Coarse/Fine Crystolon | 5      | 61463685445 | £00.00 |
| 152x51x25                     | JB6   | Coarse/Fine Crystolon | 5      | 61463685450 | £00.00 |
| 203x51x25                     | JB8   | Coarse/Fine Crystolon | 5      | 61463685455 | £00.00 |



## INDIA +++

- Smooth cutting aluminium oxide abrasive
- Norton's trademark for a fine finish
- Pre-filled with oil
- Long lasting cutting edge
- Ideal for cleaning, deburring & good quality finishes
- Saves time by eliminating the need for pre-soaking prior to use

| DIM<br>LxWxH (mm)      | TYPE  | SPECIFICATION     | PK QTY | ART. NO.    | PRICE  |
|------------------------|-------|-------------------|--------|-------------|--------|
| BENCH STONES           |       |                   |        |             |        |
| 102x25x6               | MB14  | Medium India      | 5      | 61463685575 | £00.00 |
|                        | FB14  | Fine India        | 5      | 61463685570 | £00.00 |
| 102x25x13              | CB24  | Coarse India      | 5      | 61463685595 | £00.00 |
|                        | MB24  | Medium India      | 5      | 61463685590 | £00.00 |
|                        | FB24  | Fine India        | 5      | 61463685585 | £00.00 |
| 102x44x13              | MB124 | Medium India      | 5      | 61463626048 | £00.00 |
| 152x38x13              | MB26  | Medium India      | 5      | 61463626034 | £00.00 |
| 152x51x19              | UPB6  | Medium India      | 5      | 61463690694 | £00.00 |
| 152x51x25              | CB6   | Coarse India      | 5      | 61463685620 | £00.00 |
|                        | MB6   | Medium India      | 5      | 61463685615 | £00.00 |
|                        | FB6   | Fine India        | 5      | 61463685610 | £00.00 |
| 203x51x25              | CB8   | Coarse India      | 5      | 61463685635 | £00.00 |
|                        | UPB8  | Medium India      | 5      | 61463685755 | £00.00 |
|                        | MB8   | Medium India      | 5      | 61463685630 | £00.00 |
|                        | FB8   | Fine India        | 5      | 61463685625 | £00.00 |
| COMBINATION OIL STONES |       |                   |        |             |        |
| 102x25x13              | IB24  | Coarse/Fine India | 5      | 61463626001 | £00.00 |
| 102x44x16              | IB134 | Coarse/Fine India | 5      | 61463685550 | £00.00 |
| 127x51x19              | IB45  | Coarse/Fine India | 5      | 61463685555 | £00.00 |
| 152x51x25              | IB6   | Coarse/Fine India | 5      | 61463685560 | £00.00 |
| 152x64x25              | IB20  | Coarse/Fine India | 5      | 61463626103 | £00.00 |
| 178x51x25              | IB7   | Coarse/Fine India | 5      | 61463690647 | £00.00 |
| 203x51x25              | IB8   | Coarse/Fine India | 5      | 61463625078 | £00.00 |



## ARKANSAS +++

- Natural premium Novaculite quarried in Arkansas & available in soft & hard
- Dense construction
- Sharpest possible razor edges
- Near mirror finishes
- Use for finer honing after India stone
- Absorbs oil at a slower rate, hence does not require pre-filling

| DIM<br>LxWxH (mm) | TYPE | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|-------------------|------|---------------|--------|-------------|--------|
| BENCH STONES      |      |               |        |             |        |
| 102x25x10         | HB14 | Hard Arkansas | 5      | 61463687555 | £00.00 |
|                   | SB14 | Soft Arkansas | 5      | 61463687565 | £00.00 |
| 152x51x19         | HB6  | Hard Arkansas | 5      | 61463685660 | £00.00 |





## ABRASIVE & PRECISION FILES

Norton abrasive files hold their shape while imparting the finest, most uniform finish on precision machine parts, and in tool and die making.

## PRODUCT SELECTION

| APPLICATION             | COARSE / MEDIUM SHARPENING      | FINE STONING           | FINISH HONING             |
|-------------------------|---------------------------------|------------------------|---------------------------|
| Carbide tool            | Medium Crystolon square         | -                      | -                         |
| Centre punches          | Medium India triangle           | Fine India triangle    | -                         |
| Countersinks            | Coarse/medium India triangle    | Fine India triangle    | Hard Arkansas triangle    |
| Form cutter             | Coarse/medium India knife blade | Fine India knife blade | Hard Arkansas knife blade |
| Keyways                 | Coarse/medium India square      | Fine India square      | Hard Arkansas square      |
| Lathe bits              | -                               | Fine India square      | Hard Arkansas square      |
| Machine knife stone     | Coarse Crystolon machine knife  | -                      | -                         |
| Magnetic chucks         | -                               | India round            | -                         |
| Pointed                 | Medium India pointed            | -                      | Hard Arkansas pointed     |
| Precision machine knife | Medium India half round         | Fine India half round  | -                         |
| Radius tools            | Medium India round              | Fine India round       | Hard Arkansas round       |
| Router bits             | -                               | Fine India square      | -                         |
| Silversmith             | Medium India Silversmith        | Fine India Silversmith | -                         |
| Tap threads             | -                               | Fine India triangle    | -                         |

## CRYSTOLON

- Premium silicon carbide abrasive
- Fast cutting
- Ideal for general sharpening

| SHAPE    | DIM<br>LxH (mm) | TYPE   | SPECIFICATION    | PK QTY | ART. NO.    | PRICE  |
|----------|-----------------|--------|------------------|--------|-------------|--------|
| SQUARE   | 152x25          | MJF76  | Medium Crystolon | 5      | 61463625039 | £00.00 |
| TRIANGLE | 152x13          | MJF146 | Medium Crystolon | 5      | 61463625043 | £00.00 |



# INDIA +++

- Smooth cutting aluminium oxide abrasive
- Ideal when a close tolerance is more important than the speed of cut

| DIM<br>LxDIA (mm) | TYPE  | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|-------------------|-------|---------------|--------|-------------|--------|
| ABRASIVE FILES    |       |               |        |             |        |
| ROUND             |       |               |        |             |        |
| 102x3             | FF212 | Fine India    | 5      | 61463626076 | £00.00 |
| 102x6             | MF214 | Medium India  | 5      | 61463686475 | £00.00 |
|                   | FF214 | Fine India    | 5      | 61463686470 | £00.00 |
| 102x10            | MF234 | Medium India  | 5      | 61463686490 | £00.00 |
|                   | FF234 | Fine India    | 5      | 61463686485 | £00.00 |
| 102x13            | MF244 | Medium India  | 5      | 61463686505 | £00.00 |
|                   | FF244 | Fine India    | 5      | 61463686500 | £00.00 |
| 152x10            | FF236 | Fine India    | 5      | 61463626106 | £00.00 |
| 152x13            | MF246 | Medium India  | 5      | 61463686520 | £00.00 |
| 152x16            | MF256 | Medium India  | 5      | 61463686535 | £00.00 |
|                   | FF256 | Fine India    | 5      | 61463686530 | £00.00 |
| 152x19            | MF266 | Medium India  | 5      | 61463686550 | £00.00 |
| HALF ROUND        |       |               |        |             |        |
| 102x10            | MF334 | Medium India  | 5      | 61463686385 | £00.00 |
| 102x13            | MF344 | Medium India  | 5      | 61463686400 | £00.00 |
|                   | FF344 | Fine India    | 5      | 61463686395 | £00.00 |
| SQUARE            |       |               |        |             |        |
| 102x6             | FF14  | Fine India    | 5      | 61463686065 | £00.00 |
|                   | MF14  | Medium India  | 5      | 61463686070 | £00.00 |
| 102x10            | FF34  | Fine India    | 5      | 61463686080 | £00.00 |
|                   | MF34  | Medium India  | 5      | 61463686085 | £00.00 |
|                   | CF34  | Coarse India  | 5      | 61463686090 | £00.00 |
| 102x13            | CF44  | Coarse India  | 5      | 61463686105 | £00.00 |
|                   | FF44  | Fine India    | 5      | 61463686095 | £00.00 |
|                   | MF44  | Medium India  | 5      | 61463686100 | £00.00 |
| 152x10            | FF36  | Fine India    | 5      | 61463626037 | £00.00 |
|                   | MF36  | Medium India  | 5      | 61463626038 | £00.00 |
| 152x13            | FF46  | Fine India    | 5      | 61463686110 | £00.00 |
|                   | MF46  | Medium India  | 5      | 61463686115 | £00.00 |
| 152x16            | FF56  | Fine India    | 5      | 61463686125 | £00.00 |
|                   | MF56  | Medium India  | 5      | 61463686130 | £00.00 |
| 152x19            | CF66  | Coarse India  | 5      | 61463686150 | £00.00 |
|                   | FF66  | Fine India    | 5      | 61463686140 | £00.00 |
|                   | MF66  | Medium India  | 5      | 61463686145 | £00.00 |
| 152x25            | FF76  | Fine India    | 5      | 61463686155 | £00.00 |



## BONDED ABRASIVES DRESSING STICKS & SHARPENING STONES

| DIM<br>LxH (mm)   | TYPE  | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|-------------------|-------|---------------|--------|-------------|--------|
| TRIANGLE          |       |               |        |             |        |
| 102x6             | MF114 | Medium India  | 5      | 61463686235 | £00.00 |
|                   | FF114 | Fine India    | 5      | 61463686230 | £00.00 |
| 102x8             | MF124 | Medium India  | 5      | 61463626027 | £00.00 |
|                   | FF124 | Fine India    | 5      | 61463626028 | £00.00 |
| 102x10            | MF134 | Medium India  | 5      | 61463686250 | £00.00 |
|                   | FF134 | Fine India    | 5      | 61463686245 | £00.00 |
| 102x13            | CF144 | Coarse India  | 5      | 61463686270 | £00.00 |
|                   | MF144 | Medium India  | 5      | 61463686265 | £00.00 |
|                   | FF144 | Fine India    | 5      | 61463686260 | £00.00 |
| 152x10            | MF136 | Medium India  | 5      | 61463626090 | £00.00 |
|                   | FF136 | Fine India    | 5      | 61463626054 | £00.00 |
| 152x13            | MF146 | Medium India  | 5      | 61463686280 | £00.00 |
|                   | FF146 | Fine India    | 5      | 61463686275 | £00.00 |
| 152x16            | MF156 | Medium India  | 5      | 61463686295 | £00.00 |
|                   | FF156 | Fine India    | 5      | 61463686290 | £00.00 |
| 152x19            | MF166 | Medium India  | 5      | 61463686310 | £00.00 |
|                   | FF166 | Fine India    | 5      | 61463686305 | £00.00 |
| 152x25            | MF176 | Medium India  | 5      | 61463686325 | £00.00 |
| 203x19            | MF180 | Medium India  | 5      | 61463626130 | £00.00 |
|                   | FF180 | Fine India    | 5      | 61463626082 | £00.00 |
| PRECISION FILES   |       |               |        |             |        |
| KNIFE BLADE FILES |       |               |        |             |        |
| 102x25x3          | MF724 | Medium India  | 5      | 61463686775 | £00.00 |
|                   | FF724 | Fine India    | 5      | 61463686770 | £00.00 |
| SILVERSMITH FILES |       |               |        |             |        |
| 102x13x2          | FF444 | Fine India    | 5      | 61463686955 | £00.00 |
|                   | MF444 | Medium India  | 5      | 61463686960 | £00.00 |

## ARKANSAS ABRASIVE FILES

- Hard Novaculite abrasive quarried in Arkansas
- Produces the finest edge possible while maintaining tolerances unequalled by any other abrasive
- Produces a highly polished finish

| DIM<br>LxDIA/LxH (mm) | TYPE  | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|-----------------------|-------|---------------|--------|-------------|--------|
| HALF ROUND            |       |               |        |             |        |
| 76x6                  | HB14  | Hard Arkansas | 5      | 61463686800 | £00.00 |
| SQUARE                |       |               |        |             |        |
| 76x6                  | HF13  | Hard Arkansas | 5      | 61463686590 | £00.00 |
| 76x10                 | HF33  | Hard Arkansas | 5      | 61463686595 | £00.00 |
| 76x13                 | HF43  | Hard Arkansas | 5      | 61463686600 | £00.00 |
| TRIANGLE              |       |               |        |             |        |
| 76x6                  | HF113 | Hard Arkansas | 5      | 61463686620 | £00.00 |
| 76x10                 | HF133 | Hard Arkansas | 5      | 61463686625 | £00.00 |
| 76x13                 | HF143 | Hard Arkansas | 5      | 61463686630 | £00.00 |







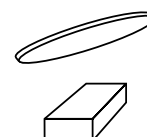
## ABRASIVE SLIPS & SPECIALTIES

Norton abrasive slips and specialty stones impart the finest, most uniform finish on a wide range of tools. These fast acting slips hold their shape and are long lasting.

### PRODUCT SELECTION

| APPLICATION    | COARSE / MEDIUM SHARPENING                   | FINE STONING                      | FINISH HONING                 |
|----------------|----------------------------------------------|-----------------------------------|-------------------------------|
| Carbide tools  | Medium & Crystolon round edge slip           | Fine Crystolon round edge slip    | -                             |
|                | Coarse or medium Crystolon carbide tool slip | Fine Crystolon carbide tool slip  | -                             |
| Gouges (wood)  | -                                            | Fine India gouge Sharpening stone | -                             |
| Leather        | Medium Crystolon Tradesmen                   | -                                 | -                             |
| Milling cutter | Medium India round edge slip                 | Fine India round edge slip        | Hard Arkansas round edge slip |
| Pen knife      | -                                            | -                                 | Arkansas pen knife            |
| Reamers        | Medium India reamer stone                    | Fine India reamer stone           | -                             |
| Scythe stone   | Scythe stone                                 | -                                 | -                             |
| Steel tool     | -                                            | -                                 | Rubber stick                  |

| SHAPE                   | DIM<br>LxWxH (mm) | TYPE  | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|-------------------------|-------------------|-------|---------------|--------|-------------|--------|
| <b>SPECIALTY STONES</b> |                   |       |               |        |             |        |
| SCYTHE STONE            | 240x35x13         | TJ4   | Scythe Stone  | 10     | 69936693133 | £00.00 |
|                         | 254x32x19         | JT930 | Scythe Stone  | 5      | 61463687675 | £00.00 |
| RUBBER STICK            | 200x10x20         | -     | A240FR96      | 5      | 69936625667 | £00.00 |

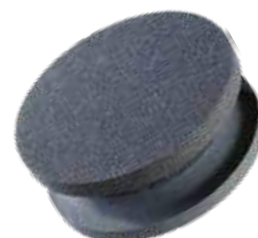


## BONDED ABRASIVES DRESSING STICKS & SHARPENING STONES

### CRYSTOLON +++

- Premium silicon carbide abrasive
- Fast cutting stone; ideal for general sharpening of cutting tools
- Fast stock removal for quick edge shaping with minimal loading

| SHAPE                  | DIM<br>LxWxH/DIAxH (mm) | TYPE  | SPECIFICATION    | PK QTY | ART. NO.    | PRICE  |
|------------------------|-------------------------|-------|------------------|--------|-------------|--------|
| SLIP STONES            |                         |       |                  |        |             |        |
| CARBIDE TOOL           | 89x19x13                | FJT63 | Fine Crystolon   | 5      | 61463687285 | £00.00 |
| ROUND EDGE             | 114x44x6                | FJS24 | Fine Crystolon   | 5      | 61463687075 | £00.00 |
| SPECIALTY STONES       |                         |       |                  |        |             |        |
| RUBBING BRICK          | 203x51x51               | BF28  | Hand Crystolon   | 5      | 61463687845 | £00.00 |
|                        | 203x89x38               | 235   | Fluted Crystolon | 5      | 61463687795 | £00.00 |
| MACHINE KNIFE<br>STONE | 102x38                  | JB74  | Coarse Crystolon | 5      | 61463687570 | £00.00 |



### INDIA +++

- Smooth cutting aluminium oxide abrasive
- Norton's trademark for a fine finish
- Ideal when a close tolerance is more important than the speed of cut

| SHAPE            | DIM<br>LxWxH (mm) | TYPE  | SPECIFICATION | PK QTY | ART. NO.    | PRICE  |
|------------------|-------------------|-------|---------------|--------|-------------|--------|
| SLIP STONES      |                   |       |               |        |             |        |
| ROUND EDGE       | 102x25x11         | MS14  | Medium India  | 5      | 61463687140 | £00.00 |
|                  |                   | FS14  | Fine India    | 5      | 61463687135 | £00.00 |
|                  | 114x44x6          | MS24  | Medium India  | 5      | 61463687150 | £00.00 |
|                  |                   | FS24  | Fine India    | 5      | 61463687145 | £00.00 |
|                  | 114x44x10         | MS34  | Medium india  | 5      | 61463687165 | £00.00 |
|                  |                   | FS34  | Fine India    | 5      | 61463687160 | £00.00 |
|                  | 114x44x13         | MS44  | Medium India  | 5      | 61463687180 | £00.00 |
|                  |                   | FS44  | Fine India    | 5      | 61463687175 | £00.00 |
| SPECIALTY STONES |                   |       |               |        |             |        |
| REAMER STONES    | 127x25x5          | MT125 | Medium India  | 5      | 61463687430 | £00.00 |

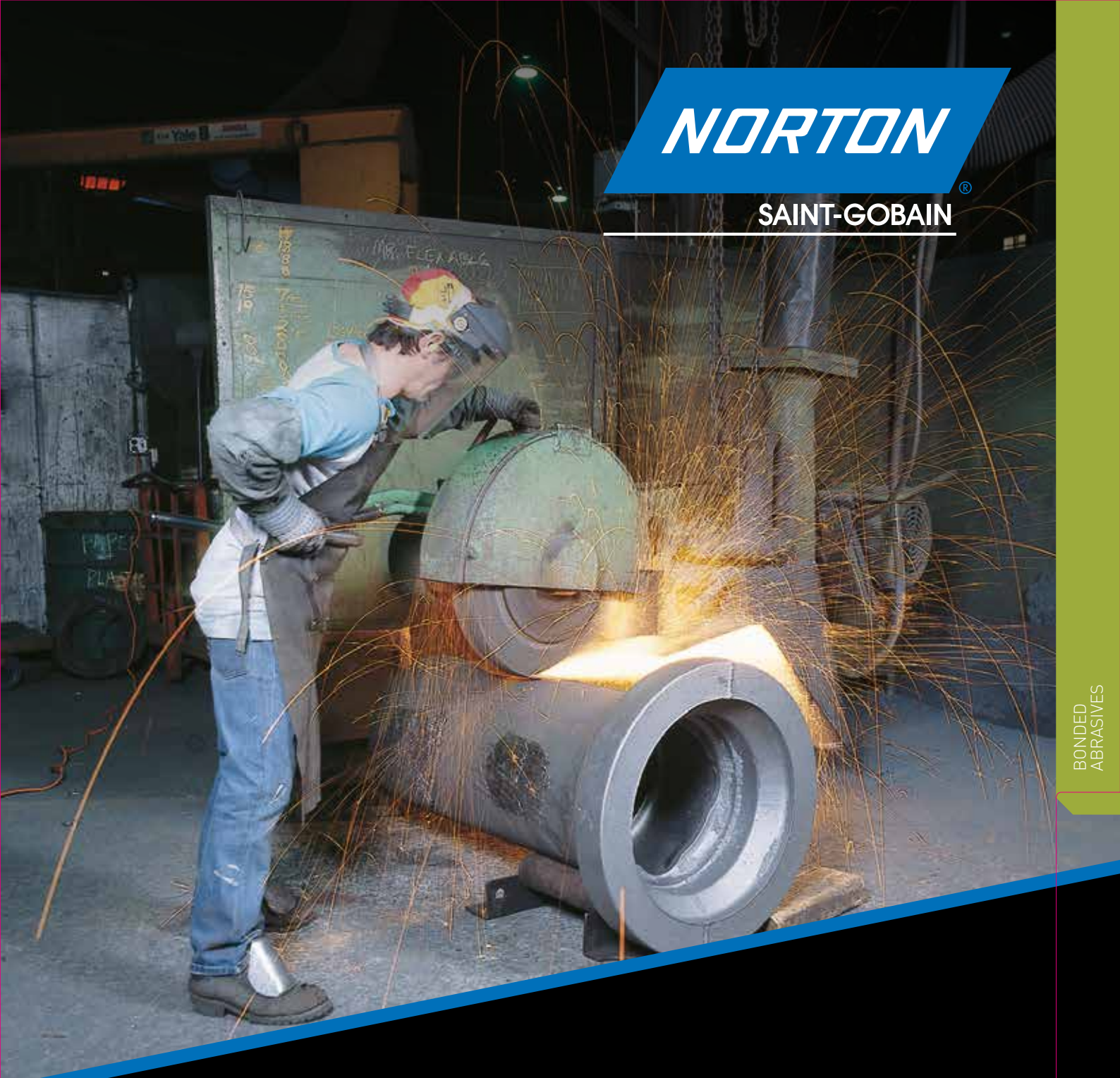


### ARKANSAS +++

- Natural premium Novaculite quarried in Arkansas & available in soft & hard
- Sharpest possible razor edges
- Near mirror finishes
- Use for finer honing after India stone

| SHAPE        | DIM<br>LxWxH (mm) | TYPE | SPECIFICATION            | PK QTY | ART. NO.    | PRICE  |
|--------------|-------------------|------|--------------------------|--------|-------------|--------|
| SLIP STONES  |                   |      |                          |        |             |        |
| ROUND EDGE   | 102x32x6          | HS14 | Hard Arkansas            | 5      | 61463687050 | £00.00 |
| CARVING TOOL | 57x22x5           | AS22 | Hard Arkansas ultra-fine | 5      | 61463687255 | £00.00 |





**NORTON**

SAINT-GOBAIN®

BONDED  
ABRASIVES

# ORGANIC WHEELS & CUPS FOR SNAGGING

## ORGANIC WHEELS & CUPS FOR SNAGGING 271-272

Snagging wheels 272

Snagging cups 272

## ORGANIC WHEELS & CUPS FOR SNAGGING

Norton offers a range of products for portable snagging foundry applications. Type 01 straight wheels are used on portable machines and Type 06 and 11 cup wheels on vertical grinders. Since finish tolerances are not usually critical, coarse, durable wheels are used with grit sizes ranging from 16 to 24.



### ZF7A / 25ZF



Special design of abrasive blends

- Very durable for heavy duty grinding
- Excellent wheel life & metal removal rates
- Ideal for all steels and non-ferrous metals



### A



Tougher than pure white aluminium oxide abrasive

- General purpose abrasive ideal for most operations
- Good wheel life, limited metal removal rate
- Good for cutting medium to soft steels
- Suitable price/performance ratio
- First choice for less technical applications



### 37C



Low purity black silicon carbide abrasive

- Harder & more friable than aluminium type abrasives
- Suitable for roughing operations in coarse grit & resinoid wheels
- Ideal for grinding & sharpening applications on metal carbide & non-ferrous metals
- Ideal for applications with no technical requirement



### 39C



Highest purity green silicon carbide abrasive

- High cut rate/power on special alloys and titanium
- Extremely friable abrasive for better cutting efficiency & cut quality

Rim Width  
Back Thickness  
Steels  
Non-Ferrous metals  
Cast iron

#### PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

| WHEELS         |    |   |           |  |               |               |        |          |             |              |       |
|----------------|----|---|-----------|--|---------------|---------------|--------|----------|-------------|--------------|-------|
| DIM DxDxH (mm) | W  | E | Materials |  | SPECIFICATION | MOS (m/s)     | PK QTY | ART. NO. | PRICE       | QUALITY TIER |       |
| 50x13x10       |    |   | ●         |  | ●             | A 24 TB       | 50     | 10       | 66253057649 | £00.00       | +++   |
| 100x20x20      | -  | - | ●         |  | ●             | A 24 RB       | 50     | 10       | 66253057660 | £00.00       | +++   |
| 125x50x14      | 14 | - | ●         |  | ●             | A20MB5        | 50     | 10       | 66243570663 | £00.00       | +++   |
| 400x50x127     | -  | - | ●         |  | ●             | A 24 Q5B3     | 50     | 1        | 69210431446 | £00.00       | +++   |
| 508x50x50      | -  | - | ●         |  | ●             | ZF7A 16 R5B3  | 50     | 1        | 66253057670 | £00.00       | +++++ |
| 508x60x127     | -  | - | ●         |  | ●             | ZF7A 16 Q5B3  | 50     | 1        | 66243453103 | £00.00       | +++++ |
|                | -  | - | ●         |  | ●             | ZF7A 16 R5B3  | 50     | 1        | 66253057671 | £00.00       | +++++ |
|                | -  | - | ●         |  | ●             | ZF7A 20 QB3   | 50     | 1        | 66253057673 | £00.00       | +++++ |
| 760x80x304,8   |    |   | ●         |  | ●             | ZF7A 14 3RB28 | 50     | 1        | 66253057675 | £00.00       | +++++ |

| CUPS           |    |    |           |   |               |           |        |          |             |              |     |
|----------------|----|----|-----------|---|---------------|-----------|--------|----------|-------------|--------------|-----|
| DIM DxDxH (mm) | W  | E  | Materials |   | SPECIFICATION | MOS (m/s) | PK QTY | ART. NO. | PRICE       | QUALITY TIER |     |
| 100x20x20      | 14 | 20 | ●         |   | ●             | A 24 PB   | 50     | 20       | 66253057663 | €00.00       | +++ |
| 125x50xM14     | 25 | 20 |           | ● |               | 37C16N5B5 | 50     | 1        | 69210432282 | €00.00       | +++ |
|                | 40 | 20 |           | ● |               | 37C16N5B5 | 50     | 1        | 69210432287 | €00.00       | +++ |



The Norton logo is displayed in white, italicized, sans-serif capital letters within a blue parallelogram shape.

**NORTON**

SAINT-GOBAIN®

BONDED  
ABRASIVES

# STRAIGHT CUT-OFF WHEELS

Non-Reinforced wheels  
Reinforced wheels

274  
274



## BONDED ABRASIVES STRAIGHT NON-REINFORCED & REINFORCED CUT-OFF WHEELS

### STRAIGHT NON-REINFORCED & REINFORCED CUT-OFF WHEELS

Reinforced cut-off wheels contain fiberglass to increase mechanical resistance when in use. The reinforcements increase the lateral stress capacity, resulting in higher resistance to breakage.

Non-reinforced cut-off wheels are only designed for use on fixed base machines, where the work is securely clamped, the wheel is adequately guarded and operating on a controlled cutting plane. They are suitable for use in dry or wet conditions, depending on bond type.



#### XGP



Special combination of abrasive blends

- High durability with good cutting capability
- Very long wheel life & high metal removal rate
- Perfect for lab applications
- Suitable for use on all types of steel

#### 4NZ



High concentration of zirconia oxide abrasive

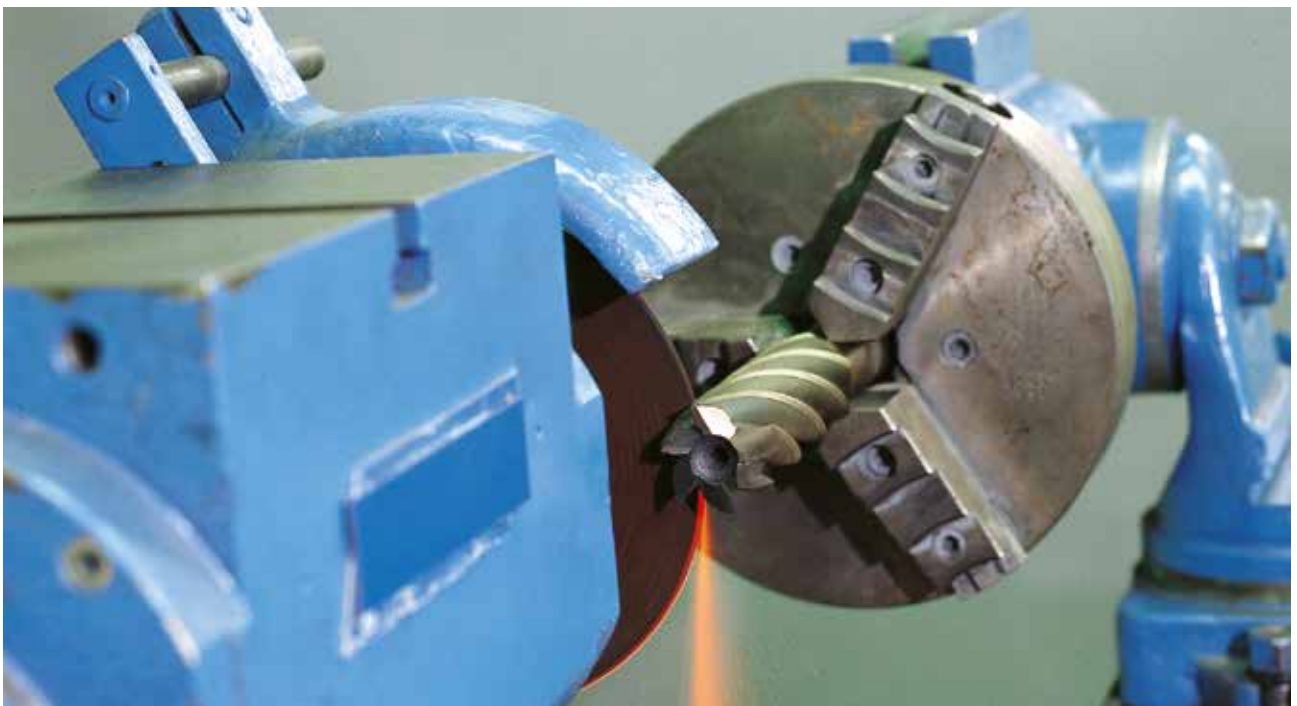
- Extremely tough aluminium oxide abrasive
- Very long wheel life
- Very high cutting capability & high metal removal rate if high pressure is applied
- Perfect for technical applications

#### 39C



Highest purity green silicon carbide abrasive

- Harder & more friable than aluminium oxide abrasive
- Excellent to cut all non metals (titanium, aluminum, bronze)
- Extremely friable abrasive for better cutting efficiency & cut quality





**NZ**

**++++**

Latest generation of Norzon grain with finer structure and sharper shape combined with Foundry X bond technology

- Excellent micro-fracturing properties
- Greater heat resistance
- Longer wheel life. Lower total abrasive cost
- Improved cut rate
- Reduced cycle time



**U57A**

**++++**

Specially treated brown aluminium oxide abrasive

- Tough & hard aluminium oxide abrasive
- Not suitable for use on extremely hard materials
- Long wheel life
- Ideal for heavy duty applications



**57A**

**+++**

Semi-friable aluminium oxide abrasive

- Less tough than type A abrasive but offers better cutting quality with a pointed shape
- Cool & burn free cutting
- Ideal for heat-sensitive applications with light to moderate feed rates
- Good compromise between cut quality & wheel life
- Very versatile: suitable for all steels



**23A**

**+++**

An abrasive blend of semi-friable 57A aluminium oxide & white monocristalline 32A aluminium oxide

- Cool & burn free cutting
- Suitable for all steels
- Improved metal removal rate compared to 57A pure semifriable aluminium oxide abrasive



**A**

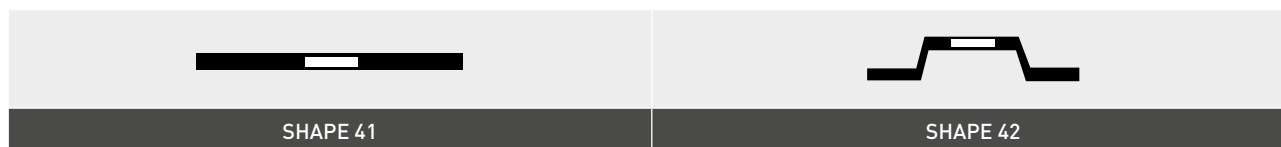
**+++**

Pure brown aluminium oxide abrasive

- The toughest aluminum oxide abrasive
- Long wheel life, limited metal removal rate
- Good for cutting medium to soft steels
- Suitable price/performance position
- First choice for less technical applications

# BONDED ABRASIVES STRAIGHT NON-REINFORCED & REINFORCED CUT-OFF WHEELS

## SHAPE KEY



## PRODUCT RECOMMENDATION

Highly recommended  
Recommended



| PRODUCT RECOMMENDATION                                                                                 |       |                                                                                     |                                                                                     |                                                                                     |             |               |              |           |             |        |                 |
|--------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|---------------|--------------|-----------|-------------|--------|-----------------|
| Highly recommended  |       |                                                                                     |                                                                                     |                                                                                     |             |               |              |           |             |        |                 |
| Recommended         |       |                                                                                     |                                                                                     |                                                                                     |             |               |              |           |             |        |                 |
| DIM DxTxH<br>(mm)                                                                                      | SHAPE | MATERIALS                                                                           |                                                                                     |                                                                                     |             | SPECIFICATION | MOS<br>(m/s) | PK<br>QTY | ART. NO.    | PRICE  | QUALITY<br>TIER |
|                                                                                                        |       | High alloyed steels & HSS                                                           | Soft steels                                                                         | Inox                                                                                | Non-Ferrous |               |              |           |             |        |                 |
| NON-REINFORCED                                                                                         |       |                                                                                     |                                                                                     |                                                                                     |             |               |              |           |             |        |                 |
| 100x1x13                                                                                               | 41    |    |    |    |             | 57A60PB25     | 80           | 25        | 66253056355 | €00.00 | +++             |
| 100x1x20                                                                                               | 41    |    |    |    |             | 23A80PB25     | 80           | 25        | 66253056356 | €00.00 | +++             |
| 125x1,6x20                                                                                             | 41    |    |    |    |             | 57A60PB25     | 80           | 25        | 69936625774 | €00.00 | +++             |
| 125x1x16                                                                                               | 41    |    |    |    |             | 23A80PB25     | 80           | 25        | 66253056358 | €00.00 | +++             |
| 125x1x20                                                                                               | 41    |    |    |    |             | 57A60PB25     | 80           | 25        | 66253056359 | €00.00 | +++             |
| 150x1x13                                                                                               | 41    |    |    |    |             | 23A80PB25     | 80           | 25        | 66253056361 | €00.00 | +++             |
| 150x1x16                                                                                               | 41    |   |   |   |             | 23A80PB25     | 80           | 25        | 66253056363 | €00.00 | +++             |
| 150x1x20                                                                                               | 41    |  |  |  |             | 23A80NB25     | 80           | 25        | 66253056367 | €00.00 | +++             |
| 150x1x32                                                                                               | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 66253056373 | €00.00 | +++             |
| 150x1,6x16                                                                                             | 41    |  |  |  |             | 23A60NB25     | 80           | 25        | 66253056362 | €00.00 | +++             |
| 150x1,6x20                                                                                             | 41    |  |  |  |             | 23A60LB25     | 63           | 25        | 66253056365 | €00.00 | +++             |
|                                                                                                        |       |  |  |  |             | 57A60PB25     | 80           | 25        | 66253056364 | €00.00 | +++             |
|                                                                                                        |       |  |  |  |             | 23A60NB25     | 80           | 25        | 66253056366 | €00.00 | +++             |
| 150x1,6x25,4                                                                                           | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 69936626781 | €00.00 | +++             |
| 150x1,6x30                                                                                             | 41    |  |  |  |             | 23A60NB25     | 80           | 25        | 66243452943 | €00.00 | +++             |
| 150x1,6x32                                                                                             | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 66253056372 | €00.00 | +++             |
|                                                                                                        |       |  |  |  |             | 57A60NB25     | 80           | 25        | 66253056360 | €00.00 | +++             |
| 150x2x20                                                                                               | 41    |  |  |  |             | 23A60NB25     | 80           | 25        | 66253056370 | €00.00 | +++             |
| 150x2x32                                                                                               | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 66253056369 | €00.00 | +++             |
| 150x2,5x30                                                                                             | 41    |  |  |  |             | 23A60NB25     | 80           | 25        | 66243452949 | €00.00 | +++             |
| 150x3x32                                                                                               | 41    |  |  |  |             | 57A60PB25     | 80           | 20        | 66253056374 | €00.00 | +++             |
| 180x1,6x31,75                                                                                          | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 66253056375 | €00.00 | +++             |
|                                                                                                        |       |  |  |  |             | 57A60RB25     | 80           | 25        | 66253056376 | €00.00 | +++             |
| 180x1x31,75                                                                                            | 41    |  |  |  |             | 57A60RB25     | 80           | 25        | 69936625781 | €00.00 | +++             |
| 180x1,6x32                                                                                             | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 69936691397 | €00.00 | +++             |
| 200x1,6x20                                                                                             | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 66253056377 | €00.00 | +++             |
| 200x1,6x32                                                                                             | 41    |  |  |  |             | 57A60NB25     | 80           | 25        | 66253056382 | €00.00 | +++             |
|                                                                                                        |       |  |  |  |             | 57A60PB25     | 80           | 25        | 66253056380 | €00.00 | +++             |
| 200x2x20                                                                                               | 41    |  |  |  |             | 23A60LB25     | 63           | 25        | 66253056378 | €00.00 | +++             |
| 200x2x25,4                                                                                             | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 66253056379 | €00.00 | +++             |
| 200x2x32                                                                                               | 41    |  |  |  |             | 57A60PB25     | 80           | 25        | 69936631641 | €00.00 | +++             |
| 250x1,6x25,4                                                                                           | 41    |  |  |  |             | A60NBTOROS    | 80           | 10        | 66253056383 | €00.00 | +++             |

# PRODUCT RECOMMENDATION

Highly recommended ●  
Recommended ○

High alloyed steels & HSS  
Soft steels  
Inox  
Non-Ferrous

| DIM DxTxH (mm) | SHAPE | MATERIALS |   |   |   | SPECIFICATION        | MOS (m/s) | PK QTY | ART. NO.    | PRICE  | QUALITY TIER |
|----------------|-------|-----------|---|---|---|----------------------|-----------|--------|-------------|--------|--------------|
| 250x1,6x32     | 41    | ●         | ○ | ○ |   | XGP70FB26 (TOROS)    | 63        | 10     | 66253060410 | €00.00 | +++++        |
|                | 41    | ●         | ○ | ○ |   | XGP70HB26 (TOROS)    | 63        | 0      | 66253060411 | €00.00 | +++++        |
|                | 41    | ●         | ○ | ○ | ○ | XGP70EB26 (TOROS)    | 63        | 10     | 66253060409 | €00.00 | +++++        |
|                | 41    | ●         | ○ | ○ |   | XGP70JB26 (TOROS)    | 63        | 10     | 66253060412 | €00.00 | +++++        |
| 300x2x32       | 41    | ●         | ○ | ○ | ○ | XGP70EB26 (TOROS)    | 63        | 10     | 66253060418 | €00.00 | +++++        |
|                | 41    | ●         | ○ | ○ |   | XGP70FB26 (TOROS)    | 63        | 10     | 66253060417 | €00.00 | +++++        |
| 350x2,5x32     | 41    | ○         | ○ | ○ |   | XGP70HBB26 (TOROS)   | 63        | 0      | 66253060421 | €00.00 | +++++        |
|                | 41    | ●         | ○ | ○ |   | XGP70FB26 (TOROS)    | 63        | 10     | 66253060420 | €00.00 | +++++        |
| 400x3x32       | 41    | ●         | ○ | ○ |   | XGP60FBB26 (TOROS)   | 63        | 10     | 66253060424 | €00.00 | +++++        |
| 450x3,5x32     | 41    | ●         | ○ | ○ |   | XGP60EB26 (TOROS)    | 63        | 10     | 66253060428 | €00.00 | +++++        |
| REINFORCED     |       |           |   |   |   |                      |           |        |             |        |              |
| 150x1,6x20     | 41    | ○         | ○ | ● |   | U57A60QB25           | 80        | 25     | 66253056384 | €00.00 | ++++         |
| 200x2x32       | 41    | ○         | ○ | ● |   | U57A60OB25           | 80        | 25     | 66253056386 | €00.00 | ++++         |
| 350x3,5x25,4   | 41    | ○         | ● | ○ |   | NZ30TBFX (Foundry X) | 80        | 10     | 66253385709 | €00.00 | +++++        |
|                | 41    | ○         | ○ | ● |   | 4NZ30TB65 (TOROS)    | 80        | 10     | 66253059172 | €00.00 | +++++        |
| 400x4,5x40     | 41    |           | ● | ○ |   | 57A24PB25            | 80        | 10     | 66253059176 | €00.00 | +++          |
| 400x5x76,2     | 42    |           | ○ | ● |   | A24TBFX (Foundry X)  | 80        | 10     | 66253372436 | €00.00 | ++++         |
|                | 42    | ○         | ● | ○ |   | NZ24TBFX (Foundry X) | 80        | 10     | 66253372437 | €00.00 | +++++        |
| 400x5x80       | 42    |           | ○ | ● |   | AZ24SBF (TOROS)      | 80        | 10     | 66253362444 | €00.00 | +++++        |
| 500x5x25,4     | 41    |           | ● | ○ |   | 57A24TB25-RC26       | 80        | 5      | 66253056529 | €00.00 | +++          |
| 500x5,5x25,4   | 41    |           | ○ | ● |   | 4NZ30XB25            | 80        | 10     | 66253056535 | €00.00 | +++++        |
|                | 41    |           | ● | ○ |   | 57A24PB25            | 80        | 5      | 66253056533 | €00.00 | +++          |
|                | 41    |           | ○ | ● |   | A24TBFX (Foundry X)  | 80        | 5      | 66253386805 | €00.00 | ++++         |
|                | 41    | ○         | ● | ○ |   | NZ24TBFX (Foundry X) | 80        | 10     | 66253386806 | €00.00 | +++++        |
|                | 41    |           | ● | ○ |   | 57A24RB25            | 80        | 5      | 66253056536 | €00.00 | +++          |
| 500x5,5x40     | 41    | ●         | ○ | ○ |   | A24TBF (TOROS)       | 100       | 10     | 66253056534 | €00.00 | ++++         |
|                | 41    | ○         | ● | ○ |   | NZ24TBFX (Foundry X) | 80        | 10     | 66253372433 | €00.00 | +++++        |
|                | 41    |           | ○ | ● |   | A24TBFX (Foundry X)  | 80        | 5      | 66253372432 | €00.00 | ++++         |
| 500x6x76,2     | 42    |           | ○ | ● |   | A24TBFX (Foundry X)  | 80        | 10     | 66253372438 | €00.00 | ++++         |
|                | 42    | ○         | ● | ○ |   | NZ24TBFX (Foundry X) | 80        | 10     | 66253372439 | €00.00 | +++++        |
|                | 42    |           | ○ | ● |   | U57A20RB25           | 80        | 10     | 66253056538 | €00.00 | +++          |
|                | 42    |           | ○ | ● |   | 4NZ24ZB25            | 80        | 10     | 66253056539 | €00.00 | +++++        |
| 600x6,5x60     | 41    |           | ○ | ● |   | A24TBFX (Foundry X)  | 100       | 5      | 66253372434 | €00.00 | ++++         |
|                | 41    |           | ● | ○ |   | 57A24PB25-RC12       | 100       | 5      | 66253057645 | €00.00 | +++          |
| 600x6,8x60     | 41    | ○         | ● | ○ |   | NZ24TBFX (Foundry X) | 100       | 5      | 66253372435 | €00.00 | +++++        |
| 600x7x60       | 41    |           | ● | ○ |   | A24VBF (TOROS)       | 100       | 5      | 66253057646 | €00.00 | +++          |







**NORTON**

SAINT-GOBAIN®

SUPER  
ABRASIVES

# SUPER ABRASIVES

|                                          |                |                           |     |
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# INTRODUCTION

Diamond is the hardest material known to man, closely followed by Cubic Boron Nitride (CBN). As a result of their hardness these materials are used extensively in the most demanding precision grinding, slicing, and cutting applications. Super Abrasive wheels use diamond and CBN technology to cut demanding materials such as carbide, high speed steel, ceramics, and glass.

Norton provides ultimate, high performance Super Abrasive solutions for the cutting tools industry, offering products specifically designed to deal with the hardest and most challenging materials.

# HOW TO READ A SPECIFICATION

|               |           |       |               |      |
|---------------|-----------|-------|---------------|------|
| ASD           | 151       | R     | 75            | B99  |
| ABRASIVE TYPE | GRIT SIZE | GRADE | CONCENTRATION | BOND |

## ABRASIVE TYPE

Both diamond & CBN have distinctive characteristics that meet the most demanding applications.

**ASD:** Synthetic diamond, armoured, high quality, versatile.

**CB:** Cubic boron nitride, armoured, durable.

## CONCENTRATION

Indicates the amount of Super Abrasive grits in the wheel. For CBN wheels the concentration number is included in the grade (Q=50, T=75, W=100, Z=125), concentration 100~4,4 ct/cm<sup>3</sup>, & accordingly 50~2,2 ct/cm<sup>3</sup>. The optimum concentration depends upon the application.

## GRIT SIZE

Size of the Super Abrasive particles according to FEPA standards. The smaller the number, the finer the grit size.

## BOND

The element in a grinding wheel that holds the diamond or CBN grains together.

## GRADE

Refers to the degree of durability of the wheel, progressing alphabetically from A (softest, least durable) to Z (hardest,most durable).

# GRIT SIZE

The grit size selection depends on the required stock removal rate and the required surface finish.

| EUROPEAN (FEPA) SIZE | U.S. STANDARD | US NORTON GRIT SIZE [MESH] |      |
|----------------------|---------------|----------------------------|------|
|                      | MESH          | DIAMOND                    | CBN  |
| 1182                 | 16/20         | 16                         | -    |
| 852                  | 20/30         | 24                         | 24   |
| 602                  | 30/40         | 36                         | 36   |
| 501                  | 35/40         | -                          | -    |
| 427                  | 40/50         | 46                         | 46   |
| 301                  | 50/60         | 60                         | 60   |
| 251                  | 60/70         | -                          | -    |
| -                    | 50/80         | 80                         | 80C  |
| 252                  | 60/80         | 100                        | 80   |
| 213                  | 70/80         | -                          | -    |
| 181                  | 80/100        | 105                        | 100  |
| -                    | 80/120        | 100S                       | 120C |
| 151                  | 100/120       | 110                        | 120  |
| 126                  | 120/140       | 120                        | 150  |
| 107                  | 140/170       | 150                        | 180  |
| 91                   | 170/200       | 180                        | 220  |
| 76                   | 200/230       | 220                        | 230  |
| 64                   | 230/270       | 240                        | 240  |
| 54                   | 270/325       | 320                        | 320  |
| 46                   | 325/400       | 400                        | 400  |

| APPROXIMATE EUROPEAN (FEPA) SIZE | NOMINAL MICRON SIZE | NORTON GRIT SIZE [MESH] |
|----------------------------------|---------------------|-------------------------|
| M63                              | 40/60               | -                       |
| M40                              | 30/40               | 500                     |
| M25                              | 20/30               | -                       |
| M16                              | 10/20               | 600                     |
| M10                              | 6/12                | 800                     |
| M6,3                             | 4/8                 | -                       |
| M4,0                             | 2/4                 | -                       |
| M1,0                             | 0/2                 | -                       |

## CONCENTRATION

The concentration influences the stock removal rate and the geometry of the workpiece.

**DIAMOND** 50/75/100/125

**CBN** Q/T/W/Z

## DIAMOND & CBN WHEELS

Norton diamond and CBN wheels are designed to grind and cut the hardest materials known to man, helping make 'difficult-to-grind' applications routine operations. Hardness, abrasion resistance, compressive strength, thermal conductivity are all features designed to achieve a high level of precision and quality, making them a logical choice for a wide range of applications.



### DIAMOND WHEELS



#### BENEFITS

- High quality synthetic diamonds provide excellent material removal rate and longer wheel life than conventional silicon carbide wheels
- Engineered B-99 resin bond provides free cutting capabilities & superior form holding in dry tool room and 1A1R cut-off operations in grinding glass & ceramic materials
- Can be used wet or dry, in off-hand finishing of carbide tools, providing fast stock removal

#### APPLICATIONS

- Cemented carbide
- Glass
- Ceramics
- Fibreglass
- Plastics
- Stone
- Abrasives
- Electronic components and materials

### CBN WHEELS



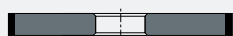
#### BENEFITS

- Made with durable CBN abrasive which cuts easily through hard to grind steels, HRC50 and harder, resisting wear
- Engineered B-99 resin bond for free cutting capability and superior form holding
- Aztec IV bond for larger cutting depth
- Used for dry tool resharpening when heavy stock removal is required

#### APPLICATIONS

- High speed tool steels
- Die steels
- Hardened carbon steels
- Alloy steels
- Aerospace alloys
- Hard stainless steel
- Abrasion-resistant ferrous materials

## WHEEL SHAPES



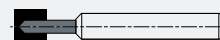
1A1

PAGE 272, 275, 284, 285



1A1R

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1A1W

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1V1

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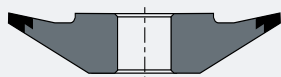
4A2

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4A9

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4BT9

PAGE 289



6A2

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6VV5

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9A3

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11A2-70°

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11V2

PAGE 276



11V9

PAGE 274, 277



12A2-20°

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12A2-45°

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12V2

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12V9

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13A2

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14F1

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14M1

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## ROUND TOOLS

### DIAMOND AND CBN GRINDING WHEELS FOR THE MACHINING OF ROUND TOOLS

Norton offers a comprehensive product range for work on round tools including drills, end mills and reamers. Diamond and CBN grinding wheels are ideal for producing and re-sharpening tungsten carbide and HSS tools.

The following sections are arranged by application for easy identification of the correct grinding wheel for fluting, gashing, grinding of e angles and re-sharpening. Within the sub-chapters the grinding wheels are ordered by FEPA code.



### BOND OVERVIEW DIAMOND

| BOND     | WEAR RESISTANCE | RECOMMENDATION FOR USE              |
|----------|-----------------|-------------------------------------|
| R100 B99 | ↑               | For CNC grinding operations (wet)   |
| R75 B99  |                 | For universal grinding (wet or dry) |
| R50 B99  |                 | For universal grinding (wet or dry) |
| R75 B49  |                 | For universal grinding (dry)        |
| R50 B49  |                 | For universal grinding (dry)        |

### BOND OVERVIEW CBN

| BOND     | WEAR RESISTANCE | RECOMMENDATION FOR USE               |
|----------|-----------------|--------------------------------------|
| W B99    | ↑               | For CNC grinding operations (wet)    |
| T B99    |                 | For universal grinding (wet or dry)  |
| Aztec IV |                 | Very free grinding dry grinding bond |
| R75 B49  |                 | For universal grinding (dry)         |



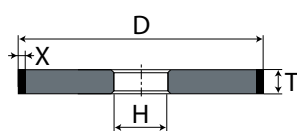


## DIAMOND & CBN WHEELS FOR MACHINING ROUND TOOLS

The Norton B99 resin bonded wheel is ideal for flute grinding on CNC machines and is particularly suitable for applications on standard tools. D64R100B99 and B107 W B99 are the most commonly used products for flute grinding, however other specifications can be made available on request.

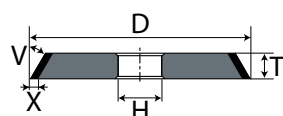


### 1A1 FLUTING



| DxTxX<br>(mm)  | H<br>(mm) | SPECIFICATION   | PK<br>QTY | ART NO.    | PRICE   |
|----------------|-----------|-----------------|-----------|------------|---------|
| <b>DIAMOND</b> |           |                 |           |            |         |
| 100x6x3        | 32        | ASD91 R100 B99  | 1         | 7958732719 | £000.00 |
| 100x10x5       | 20        | ASD64 R100 B99  | 1         | 7958732706 | £000.00 |
| 100x12x5       | 20        | ASD64 R100 B99  | 1         | 7958732713 | £000.00 |
| 125x5x3        | 20        | ASD126 R100 B99 | 1         | 7958732469 | £000.00 |
| 125x10x10      | 20        | ASD64 R100 B99  | 1         | 7958732470 | £000.00 |
| 125x12x10      | 20        | ASD64 R100 B99  | 1         | 7958732471 | £000.00 |
| 150x12x10      | 20        | ASD64 R100 B99  | 1         | 7958732727 | £000.00 |
| <b>CBN</b>     |           |                 |           |            |         |
| 100x11x5       | 20        | CB107 W B99     | 1         | 7958732712 | £000.00 |
| 100x15x5       | 20        | CB107 W B99     | 1         | 7958732716 | £000.00 |
| 125x10x10      | 20        | CB107 W B99     | 1         | 7958728828 | £000.00 |

### 1V1 FLUTING



| DxTxX<br>(mm)  | V<br>(°) | H<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.      | PRICE   |
|----------------|----------|-----------|----------------|-----------|--------------|---------|
| <b>DIAMOND</b> |          |           |                |           |              |         |
| 100x10x5       | 10°      | 20        | ASD64 R100 B99 | 1         | 7958732976   | £000.00 |
| 100x15x5       | 20°      | 20        | ASD64 R100 B99 | 1         | 7958732974** | £000.00 |
| 125x10x5       | 30°      | 20        | ASD64 R100 B99 | 1         | 7958732984** | £000.00 |
| <b>CBN</b>     |          |           |                |           |              |         |
| 100x15x5       | 20°      | 20        | CB107 W B99    | 1         | 7958732994   | £000.00 |

\*\* Available while stocks last



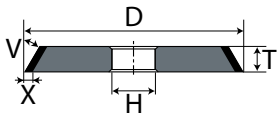
# DIAMOND & CBN WHEELS FOR MACHINING ROUND TOOLS

The state-of-the-art Norton B99 resin bond is free cutting and has good corner stability, the most essential characteristic required for CNC gashing.

- Two standard specifications are offered:
- For tungsten carbide tools: ASD64 R100 B99
  - For HSS-tools: CB107 W B99.

Both are available in 12V9 as well as in 1V1 shape. Further combinations of dimensions, grit sizes and concentrations are available on request.

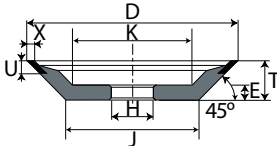
## 1V1 GASHING



| DxTxX<br>(mm) | V<br>(°) | H<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.     | PRICE   |
|---------------|----------|-----------|----------------|-----------|-------------|---------|
| DIAMOND       |          |           |                |           |             |         |
| 100x15x5      | 45°      | 20        | ASD64 R100 B99 | 1         | 7958732996* | £000.00 |
| 125x15x5      | 45°      | 45        | ASD64 R100 B99 | 1         | 7958733015  | £000.00 |
| CBN           |          |           |                |           |             |         |
| 100x15x5      | 45°      | 20        | CB107 W B99    | 1         | 7958733013  | £000.00 |
| 125x15x5      | 45°      | 20        | CB107 W B99    | 1         | 7958733017  | £000.00 |

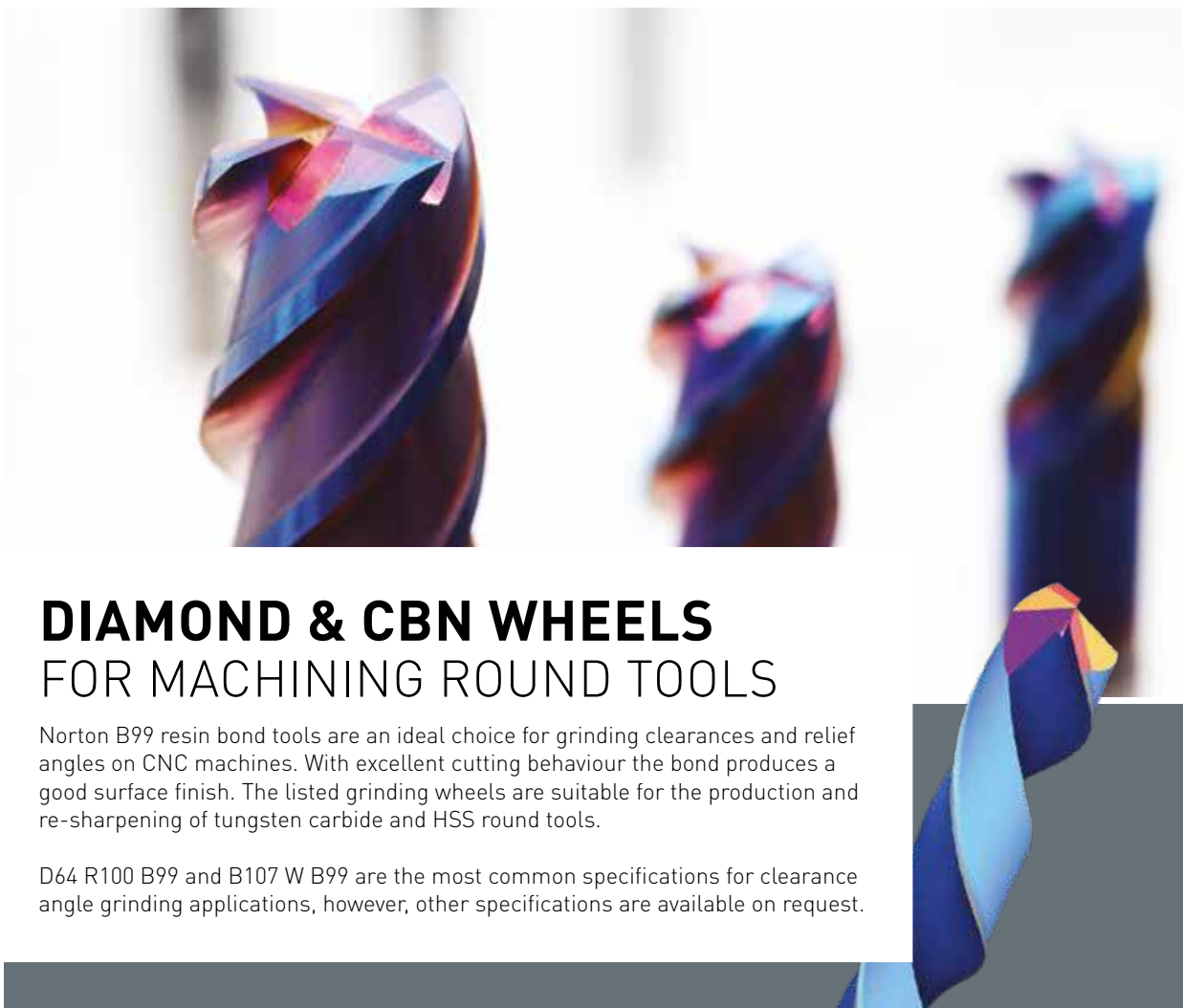
\* Made-to-order

## 12V9 GASHING



| DxXxU<br>(mm) | H<br>(mm) | T<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.    | PRICE   |
|---------------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|------------|---------|
| DIAMOND       |           |           |           |           |           |                |           |            |         |
| 100x2x10      | 20        | 20        | 52        | 11        | 60        | ASD64 R100 B99 | 1         | 7958732837 | £000.00 |
| 100x3x10      | 20        | 20        | 52        | 11        | 60        | ASD64 R100 B99 | 1         | 7958732832 | £000.00 |
| 125x2x10      | 20        | 25        | 60        | 12        | 74        | ASD64 R100 B99 | 1         | 7958733019 | £000.00 |
| 150x3x10      | 20        | 25        | 81        | 15        | 99        | ASD64 R100 B99 | 1         | 7958732919 | £000.00 |
| CBN           |           |           |           |           |           |                |           |            |         |
| 100x3x10      | 20        | 20        | 52        | 11        | 60        | CB107 W B99    | 1         | 7958732826 | £000.00 |
| 125x3x10      | 20        | 25        | 71        | 14        | 74        | CB107 W B99    | 1         | 7958732814 | £000.00 |
| 150x3x10      | 20        | 25        | 81        | 15        | 99        | CB107 W B99    | 1         | 7958732920 | £000.00 |

ADDITIONAL INFORMATION  
Stiffened body

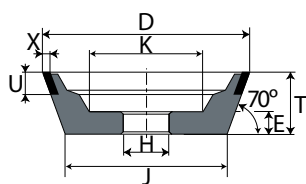


## DIAMOND & CBN WHEELS FOR MACHINING ROUND TOOLS

Norton B99 resin bond tools are an ideal choice for grinding clearances and relief angles on CNC machines. With excellent cutting behaviour the bond produces a good surface finish. The listed grinding wheels are suitable for the production and re-sharpening of tungsten carbide and HSS round tools.

D64 R100 B99 and B107 W B99 are the most common specifications for clearance angle grinding applications, however, other specifications are available on request.

### 11V9 CLEARANCE ANGLE GRINDING



ADDITIONAL INFORMATION  
Stiffened body

| DxXxU<br>(mm) | H<br>(mm) | T<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.      | PRICE   |
|---------------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|--------------|---------|
| DIAMOND       |           |           |           |           |           |                |           |              |         |
| 75x2x10       | 20        | 30        | 40        | 10        | 53        | ASD64 R100 B99 | 1         | 7958732849   | £000.00 |
| 100x2x10      | 20        | 35        | 59        | 15        | 74        | ASD64 R100 B99 | 1         | 7958732876   | £000.00 |
| 100x3x10      | 20        | 35        | 53        | 15        | 74        | ASD64 R100 B99 | 1         | 7958732877   | £000.00 |
| 125x3x10      | 20        | 40        | 70        | 18        | 95        | ASD64 R100 B99 | 1         | 7958732856   | £000.00 |
| CBN           |           |           |           |           |           |                |           |              |         |
| 75x2x10       | 20        | 30        | 40        | 10        | 53        | CB107 W B99    | 1         | 7958732851   | £000.00 |
| 100x2x10      | 20        | 35        | 59        | 15        | 74        | CB107 W B99    | 1         | 7958732874   | £000.00 |
| 100x3x10      | 20        | 35        | 53        | 15        | 74        | CB107 W B99    | 1         | 7958732844   | £000.00 |
| 125x3x10      | 20        | 40        | 70        | 18        | 95        | CB107 W B99    | 1         | 7958732854** | £000.00 |

\*\* Available while stocks last

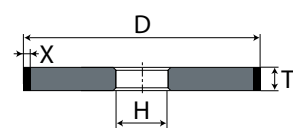


## DIAMOND & CBN WHEELS FOR ROUND TOOL UNIVERSAL GRINDING

Norton offers a comprehensive selection of different bonds and concentrations for re-sharpening applications on universal machines. The B99 grinding wheels can be used wet or dry.

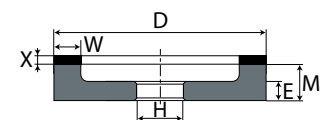
The lower the diamond or CBN concentration the more suited the product will be to grinding large contact areas. Aztec IV is a special free cutting resin bond which is designed for dry grinding operations and enables high material removal.

### 1A1 RE-SHARPENING



| DxTxX<br>(mm)  | H<br>(mm) | SPECIFICATION   | PK<br>QTY | ART NO.    | PRICE   |
|----------------|-----------|-----------------|-----------|------------|---------|
| <b>DIAMOND</b> |           |                 |           |            |         |
| 100x4x3        | 20        | ASD91 R75 B99   | 1         | 7958732717 | £000.00 |
| 100x10x5       | 20        | ASD91 R75 B99   | 1         | 7958732711 | £000.00 |
| 125x10x5       | 20        | ASD126 R100 B99 | 1         | 7958732466 | £000.00 |
| 150x10x3       | 20        | ASD126 R50 B99  | 1         | 7958732724 | £000.00 |
| 150x10x3       | 32        | ASD126 R75 B99  | 1         | 7958732726 | £000.00 |
| <b>CBN</b>     |           |                 |           |            |         |
| 100x10x5       | 20        | CB126 T B99     | 1         | 7958732704 | £000.00 |
| 150x10x3       | 20        | CB126 T B99     | 1         | 7958732725 | £000.00 |

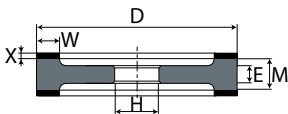
### 6A2 RE-SHARPENING



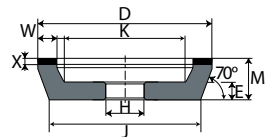
| DxWxX<br>(mm)  | H<br>(mm) | M<br>(mm) | E<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.    | PRICE   |
|----------------|-----------|-----------|-----------|----------------|-----------|------------|---------|
| <b>DIAMOND</b> |           |           |           |                |           |            |         |
| 100x6x4        | 20        | 23        | 10        | ASD151 R75 B99 | 1         | 7958732881 | £000.00 |
| 100x12x2       | 20        | 18        | 10        | ASD54 R50 B99  | 1         | 7958732886 | £000.00 |
| 100x12x2       | 20        | 18        | 10        | ASD107 R50 B99 | 1         | 7958732879 | £000.00 |
| 125x6x5        | 20        | 25        | 10        | ASD64 R75 B99  | 1         | 7958732922 | £000.00 |
| 125x10x2       | 70        | 23        | 10        | ASD107 R50 B99 | 1         | 7958732882 | £000.00 |
| 150x10x2       | 20        | 23        | 10        | ASD91 R50 B99  | 1         | 7958732932 | £000.00 |
| 150x15x2       | 32        | 23        | 10        | ASD107 R50 B99 | 1         | 7958732933 | £000.00 |
| 150x20x2       | 20        | 20        | 10        | ASD126 R75 B99 | 1         | 7958732934 | £000.00 |
| <b>CBN</b>     |           |           |           |                |           |            |         |
| 125x6x4        | 20        | 23        | 10        | CB151 T B99    | 1         | 7958732925 | £000.00 |
| 150x6x4        | 20        | 23        | 10        | CB151 T B99    | 1         | 7958732936 | £000.00 |
| 150x6x4        | 32        | 23        | 10        | CB151 T B99    | 1         | 7958732935 | £000.00 |

## DIAMOND & CNC WHEELS FOR ROUND TOOL UNIVERSAL GRINDING

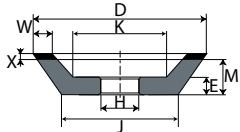
### 9A3 RE-SHARPENING

|                                                                                   | DxWxX<br>(mm) | H<br>(mm) | M<br>(mm) | E<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|----------------|-----------|-------------|---------|
|  | DIAMOND       |           |           |           |                |           |             |         |
|                                                                                   | 175x5x2       | 20        | 30        | 14        | ASD126 R50 B99 | 1         | 7958733002  | £000.00 |
|                                                                                   | 175x5x2       | 20        | 30        | 14        | ASD46 R50 B49  | 1         | 66260120338 | £000.00 |
|                                                                                   | 175x5x2       | 20        | 30        | 14        | ASD64 R50 B49  | 1         | 66260120339 | £000.00 |
|                                                                                   | 175x5x2       | 20        | 30        | 14        | ASD126 R50 B49 | 1         | 66260120340 | £000.00 |

### 11A2-70° RE-SHARPENING

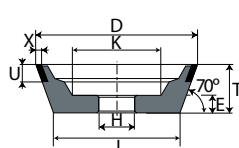
|                                                                                   | DxWxX<br>(mm) | H<br>(mm) | M<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|-------------|---------|
|  | DIAMOND       |           |           |           |           |           |                |           |             |         |
|                                                                                   | 100x5x4       | 20        | 20        | 75        | 10        | 88        | ASD151 R75 B99 | 1         | 60157682163 | £000.00 |
|                                                                                   | CBN           |           |           |           |           |           |                |           |             |         |
|                                                                                   | 100x5x4       | 20        | 20        | 75        | 10        | 88        | CB126 T B99    | 1         | 60157682165 | £000.00 |

### 11V2 RE-SHARPENING

|                                                                                     | DxWxX<br>(mm) | H<br>(mm) | M<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.    | PRICE   |
|-------------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|------------|---------|
|  | DIAMOND       |           |           |           |           |           |                |           |            |         |
|                                                                                     | 100x5x3       | 20        | 22        | 72        | 8         | 82        | ASD91 R75 B99  | 1         | 7958733007 | £000.00 |
|                                                                                     | 100x5x3       | 20        | 22        | 72        | 8         | 82        | ASD126 R75 B99 | 1         | 7958733011 | £000.00 |

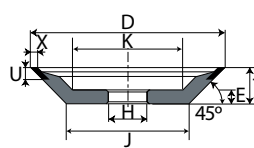


## 11V9 RE-SHARPENING

|                                                                                   | DxXxU<br>(mm) | H<br>(mm) | T<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm)      | SPECIFICATION  | PK<br>QTY   | ART NO.      | PRICE   |
|-----------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|-----------|----------------|----------------|-------------|--------------|---------|
|  | DIAMOND       |           |           |           |           |                |                |             |              |         |
|                                                                                   | 75x2x10       | 20        | 30        | 40        | 10        | 53             | ASD107 R75 B99 | 1           | 7958732857   | £000.00 |
|                                                                                   | 75x2x10       | 20        | 30        | 40        | 10        | 53             | ASD126 R75 B99 | 1           | 7958732859   | £000.00 |
|                                                                                   | 75x2x10       | 20        | 30        | 40        | 10        | 53             | SD64 R75 B49   | 1           | 66260120321  | £000.00 |
|                                                                                   | 75x2x10       | 20        | 30        | 40        | 10        | 53             | SD126 R75 B49  | 1           | 66260120322* | £000.00 |
|                                                                                   | 100x2x10      | 20        | 35        | 55        | 10        | 74             | ASD126 R75 B99 | 1           | 7958732867   | £000.00 |
|                                                                                   | 100x3x10      | 20        | 35        | 60        | 10        | 74             | ASD126 R75 B99 | 1           | 7958732862   | £000.00 |
|                                                                                   | 100x3x10      | 32        | 35        | 60        | 10        | 74             | ASD126 R75 B99 | 1           | 7958732865   | £000.00 |
|                                                                                   | 100x2x10      | 20        | 35        | 55        | 10        | 75             | SD64 R75 B49   | 1           | 66260120323  | £000.00 |
|                                                                                   | 100x2x10      | 20        | 35        | 55        | 10        | 75             | SD126 R75 B49  | 1           | 7958795053   | £000.00 |
|                                                                                   | 125x3x10      | 20        | 40        | 81        | 10        | 96             | ASD126 R75 B99 | 1           | 7958732847   | £000.00 |
|                                                                                   | 125x3x10      | 32        | 40        | 81        | 10        | 96             | ASD126 R75 B99 | 1           | 7958732848   | £000.00 |
|                                                                                   | CBN           |           |           |           |           |                |                |             |              |         |
|                                                                                   | 75x1,5x10     | 20        | 30        | 40        | 10        | 53             | BN181 Aztec IV | 1           | 69014152323  | £000.00 |
| 75x2x10                                                                           | 20            | 30        | 40        | 10        | 53        | CB126 T B99    | 1              | 7958732853  | £000.00      |         |
| 75x2x10                                                                           | 20            | 30        | 40        | 10        | 53        | CB126 R75 B49  | 1              | 66260121233 | £000.00      |         |
| 100x1,5x10                                                                        | 20            | 35        | 55        | 10        | 75        | BN126 Aztec IV | 1              | 69014152115 | £000.00      |         |
| 100x1,5x10                                                                        | 20            | 35        | 55        | 10        | 75        | BN181 Aztec IV | 1              | 69014152118 | £000.00      |         |
| 100x1,5x10                                                                        | 32            | 35        | 55        | 10        | 75        | BN181 Aztec IV | 1              | 69014152120 | £000.00      |         |
| 100x2x10                                                                          | 20            | 35        | 55        | 10        | 74        | CB126 T B99    | 1              | 7958732869  | £000.00      |         |
| 100x2x10                                                                          | 32            | 35        | 55        | 10        | 74        | CB126 T B99    | 1              | 7958732871* | £000.00      |         |
| 100x2x10                                                                          | 20            | 35        | 55        | 10        | 75        | CB126 R75 B49  | 1              | 66260121234 | £000.00      |         |

\* Made-to-order

## 12V9 RE-SHARPENING

|                                                                                     | DxXxU<br>(mm) | H<br>(mm) | T<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm)     | SPECIFICATION  | PK<br>QTY   | ART NO.      | PRICE   |
|-------------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|-----------|---------------|----------------|-------------|--------------|---------|
|  | DIAMOND       |           |           |           |           |               |                |             |              |         |
|                                                                                     | 75x2x10       | 20        | 25        | 34        | 10        | 39            | ASD64 R75 B99  | 1           | 7958732816   | £000.00 |
|                                                                                     | 75x3x6        | 20        | 20        | 45        | 10        | 42            | ASD76 R75 B99  | 1           | 7958732890*  | £000.00 |
|                                                                                     | 75x2x10       | 20        | 20        | 45        | 10        | 35            | SD15 R50 B49   | 1           | 66260120324  | £000.00 |
|                                                                                     | 75x2x10       | 20        | 20        | 45        | 10        | 35            | SD64 R75 B49   | 1           | 66260120326  | £000.00 |
|                                                                                     | 75x2x10       | 20        | 20        | 45        | 10        | 35            | SD126 R75 B49  | 1           | 66260120327  | £000.00 |
|                                                                                     | 100x2x6       | 20        | 20        | 64        | 10        | 59            | ASD126 R75 B99 | 1           | 7958732821   | £000.00 |
|                                                                                     | 100x3x10      | 20        | 20        | 65        | 10        | 59            | ASD46 R75 B99  | 1           | 7958732885   | £000.00 |
|                                                                                     | 100x2x10      | 20        | 20        | 65        | 10        | 60            | SD15 R50 B49   | 1           | 66260120328* | £000.00 |
|                                                                                     | 100x2x10      | 20        | 20        | 65        | 10        | 60            | SD64 R75 B49   | 1           | 66260120329  | £000.00 |
|                                                                                     | 100x2x10      | 20        | 20        | 65        | 10        | 60            | SD126 R75 B49  | 1           | 66260120330  | £000.00 |
| CBN                                                                                 |               |           |           |           |           |               |                |             |              |         |
| 75x2x6                                                                              | 20            | 20        | 45        | 10        | 42        | CB107 T B99   | 1              | 7958732813  | £000.00      |         |
| 75x2x10                                                                             | 20            | 20        | 45        | 10        | 35        | CB126 R75 B49 | 1              | 66260121235 | £000.00      |         |
| 100x2x6                                                                             | 20            | 20        | 65        | 10        | 59        | CB126 T B99   | 1              | 7958732818  | £000.00      |         |
| 100x3x10                                                                            | 20            | 20        | 65        | 10        | 59        | CB126 T B99   | 1              | 7958732880  | £000.00      |         |
| 100x2x10                                                                            | 20            | 20        | 65        | 10        | 60        | CB126 R75 B49 | 1              | 66260121236 | £000.00      |         |

\* Made-to-order

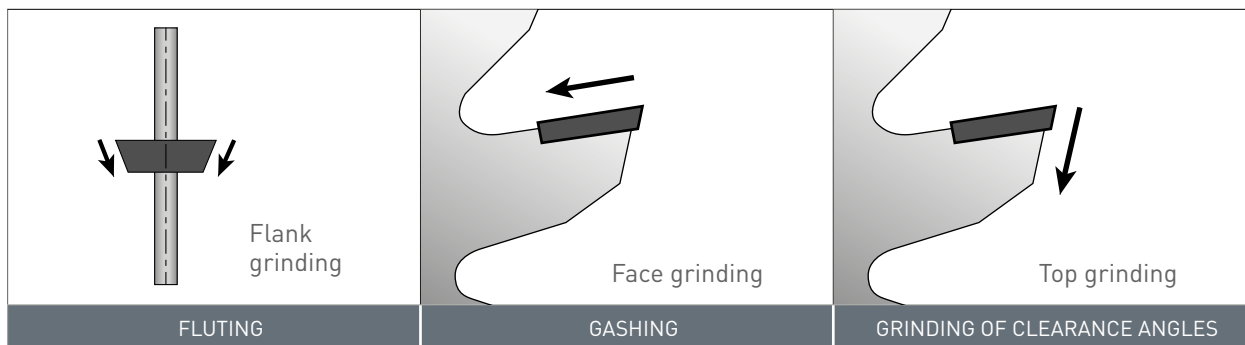


## SAW BLADES

### DIAMOND AND CBN GRINDING WHEELS FOR THE SAW BLADE INDUSTRY

With an emphasis on excellent price vs. performance ratios, the saw blade programme aims to provide the best solutions for grinding tungsten carbide tipped saw blades and one-piece HSS saws.

The tungsten carbide tipped circular saw blade grinding wheels have been specifically designed for face grinding and flank grinding. Norton offers grinding wheels for the most common machine types required for these applications.



1A1W grinding pins for hollow tooth grinding are also available.

### BOND OVERVIEW DIAMOND

| BOND              | WEAR RESISTANCE | RECOMMENDATION FOR USE                                                               |
|-------------------|-----------------|--------------------------------------------------------------------------------------|
| <b>ECO</b> Face   | ↑               | Face grinding of tungsten carbide tipped saw blades                                  |
| <b>ECO</b> Flank  |                 | Flank grinding of tungsten carbide tipped saw blades                                 |
| <b>ECO</b> Top-AW |                 | Top-grinding of tungsten carbide tipped saw blades on AKEMAT and WOODTRONIC machines |
| <b>ECO</b> Top    |                 | Universal top-grinding of tungsten carbide tipped saw blades                         |
| <b>ECO</b> Top-R  |                 | Top-grinding of tungsten carbide tipped saw blades, especially re-sharpening         |
| <b>ECO</b> Top-P  |                 | Top-grinding of tungsten carbide tipped saw blades, especially production            |
| <b>B99</b>        |                 | Universal resin bond for wet and dry grinding                                        |

### BOND OVERVIEW CBN

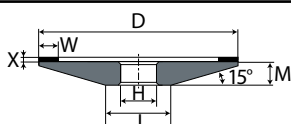
| BOND             | WEAR RESISTANCE | RECOMMENDATION FOR USE                        |
|------------------|-----------------|-----------------------------------------------|
| <b>ECO</b> Curve |                 | Profiling and re-sharpening of HSS saw blades |

# DIAMOND & CBN WHEELS FOR SHARPENING OF TUNGSTEN CARBIDE TIPPED SAW BLADES

The tooth face of circular saw blades is ground with sharp angled cup wheels. Depending on the tooth pitch, different angles and wheel thicknesses are required. The greater the number of teeth around the circumference, the narrower the space between them and the thinner the grinding wheel needs to be. Even the narrowest tooth gaps can be machined with our 12V9 *ECO* Face wheels.

For reasons of stability, conventional tooth gaps are mainly ground using 4A2 or 12V2 grinding wheels.

## 4A2 FACE GRINDING

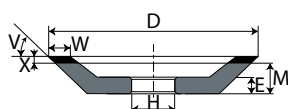


| DxWxX<br>(mm) | H<br>(mm) | M<br>(mm) | J<br>(mm) | SPECIFICATION | PK<br>QTY | ART NO.    | PRICE   |
|---------------|-----------|-----------|-----------|---------------|-----------|------------|---------|
| DIAMOND       |           |           |           |               |           |            |         |
| 100x5x2       | 25*       | 7         | 51,5      | ASD91 R75 B99 | 1         | 7958725784 | £000.00 |

ADDITIONAL INFORMATION For conventional tooth gaps

\*4A2K (with Keyway)

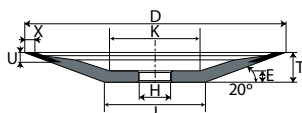
## 12V2 FACE GRINDING



| DxWxX<br>(mm) | H<br>(mm) | M<br>(mm) | V<br>(°) | E<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.     | PRICE   |
|---------------|-----------|-----------|----------|-----------|----------------|-----------|-------------|---------|
| DIAMOND       |           |           |          |           |                |           |             |         |
| 125x4x2       | 32        | 11        | 30°      | 9         | ASD46 R125 B99 | 1         | 60157682189 | £000.00 |
| 125x4x2       | 32        | 11        | 30°      | 9         | ASD76 R125 B99 | 1         | 60157682188 | £000.00 |
| 200x4x2       | 32        | 13        | 30°      | 11        | ASD46 R125 B99 | 1         | 7958725781  | £000.00 |
| 200x4x2       | 32        | 13        | 30°      | 11        | ASD76 R125 B99 | 1         | 7958725780  | £000.00 |

ADDITIONAL INFORMATION For conventional tooth gaps

## 12V9 FACE GRINDING



| DxXxU<br>(mm) | H<br>(mm) | T<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm) | SPECIFICATION       | PK<br>QTY | ART NO.     | PRICE   |
|---------------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------|-------------|---------|
| DIAMOND       |           |           |           |           |           |                     |           |             |         |
| 100x2,3x4     | 25*       | 10        | 77        | 7         | 51        | D46 <i>ECO</i> Face | 1         | 7958717431  | £000.00 |
| 125x2,3x4     | 25*       | 10        | 101       | 7         | 76        | D46 <i>ECO</i> Face | 1         | 7958714565  | £000.00 |
| 125x2,3x4     | 32        | 13        | 101       | 10        | 70        | D46 <i>ECO</i> Face | 1         | 69014148184 | £000.00 |
| 150x2,3x4     | 32        | 13        | 126       | 10        | 95        | D46 <i>ECO</i> Face | 1         | 7958719191  | £000.00 |
| 200x2,3x4     | 32        | 13        | 173       | 10        | 145       | D46 <i>ECO</i> Face | 1         | 69014148205 | £000.00 |

ADDITIONAL INFORMATION  
For conventional tooth gaps



## DIAMOND & CBN WHEELS FOR SHARPENING OF TUNGSTEN CARBIDE TIPPED SAW BLADES

To ensure the circular nature of the saw and to define the wedge and clearance angles, the top of the saw blade needs to be ground.  
Vollmer and Widma machines normally require 6VV5 cup wheels Akemat and Woodtronic machines require 14M1 state of the art peripheral wheels

### 6VV5 TOP GRINDING

|         | DxWxX<br>(mm) | V<br>(°) | H<br>(mm) | T<br>(mm) | E<br>(mm) | SPECIFICATION                            | ADDITIONAL<br>INFORMATION | PK<br>QTY | ART NO.    | PRICE   |
|---------|---------------|----------|-----------|-----------|-----------|------------------------------------------|---------------------------|-----------|------------|---------|
| DIAMOND |               |          |           |           |           |                                          |                           |           |            |         |
|         | 100x5x10      | 8°       | 25*       | 24        | 7         | ASD126/46 R100/<br>R75 <b>ECO</b> TOP    | Universal use             | 1         | 7958725658 | £000.00 |
|         | 125x5x10      | 8°       | 32        | 22        | 11        | ASD126/46 R100/<br>R75 <b>ECO</b> TOP-P  | For production, oil       | 1         | 7958725661 | £000.00 |
|         | 125x5x10      | 8°       | 32        | 22        | 11        | ASD126/46 R125/<br>R100 <b>ECO</b> TOP-R | For re-sharpening         | 1         | 7958725663 | £000.00 |

\*6VV5K (with keyway)

### 14M1 TOP GRINDING

|         | DxUxX<br>(mm) | V<br>(°) | H<br>(mm) | T<br>(mm) | J<br>(mm) | SPECIFICATION                            | PK<br>QTY | ART NO.    | PRICE   |
|---------|---------------|----------|-----------|-----------|-----------|------------------------------------------|-----------|------------|---------|
| DIAMOND |               |          |           |           |           |                                          |           |            |         |
|         | 150x5x8       | 8°       | 32        | 10        | 119       | ASD107/46 R100/<br>R75 <b>ECO</b> TOP-AW | 1         | 7958725785 | £000.00 |
|         | 200x5x8       | 8°       | 32        | 10        | 156       | ASD126/46 R100/<br>R75 <b>ECO</b> TOP-AW | 1         | 7958725786 | £000.00 |

ADDITIONAL INFORMATION D126/D46: U=2,5/2,5



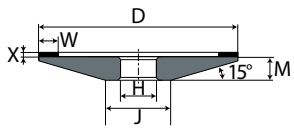
## DIAMOND & CBN WHEELS FOR SHARPENING OF TUNGSTEN CARBIDE TIPPED SAW BLADES

During the flank grinding process the cutting width of the circular saw blade is defined. Therefore, typically two 4A9 grinding wheels are simultaneously fed from both sides.

When manufacturing saw blades there is a wide variety of tooth geometries and designs to choose from. Depending on the intended use of the saw, the tooth design can be flat, alternate, trapezoid or any combination of these. Hollow ground teeth are very common to achieve finer cuts with no burrs. The rounded shape of hollow ground teeth is produced with 1A1W grinding pins.

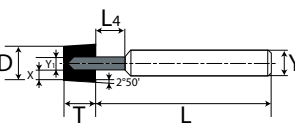


### 4A9 FACE GRINDING

|                                                                                                                                | DxXxW<br>(mm)  | H<br>(mm) | T<br>(mm) | J<br>(mm) | SPECIFICATION           | PK<br>QTY | ART NO.    | PRICE   |
|--------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|-----------|-----------|-------------------------|-----------|------------|---------|
| <br>ADDITIONAL INFORMATION<br>Universal use | <b>DIAMOND</b> |           |           |           |                         |           |            |         |
|                                                                                                                                | 80x4x5         | 32        | 10        | 53        | ASD64 <b>ECO</b> Flank  | 1         | 7958725778 | £000.00 |
|                                                                                                                                | 86x4x5         | 32        | 10        | 59        | ASD64 <b>ECO</b> Flank  | 1         | 7958725779 | £000.00 |
|                                                                                                                                | 100x4x4,5      | 20*       | 14        | 35        | ASD64 <b>ECO</b> Flank  | 1         | 7958725739 | £000.00 |
|                                                                                                                                | 100x4x4,5      | 20*       | 14        | 35        | ASD126 <b>ECO</b> Flank | 1         | 7958725744 | £000.00 |
|                                                                                                                                | 100x4x5        | 32        | 10        | 55        | ASD64 <b>ECO</b> Flank  | 1         | 7958725737 | £000.00 |
|                                                                                                                                | 100x4x5        | 32        | 10        | 55        | ASD126 <b>ECO</b> Flank | 1         | 7958725738 | £000.00 |

\*4A9K (with Keyway)

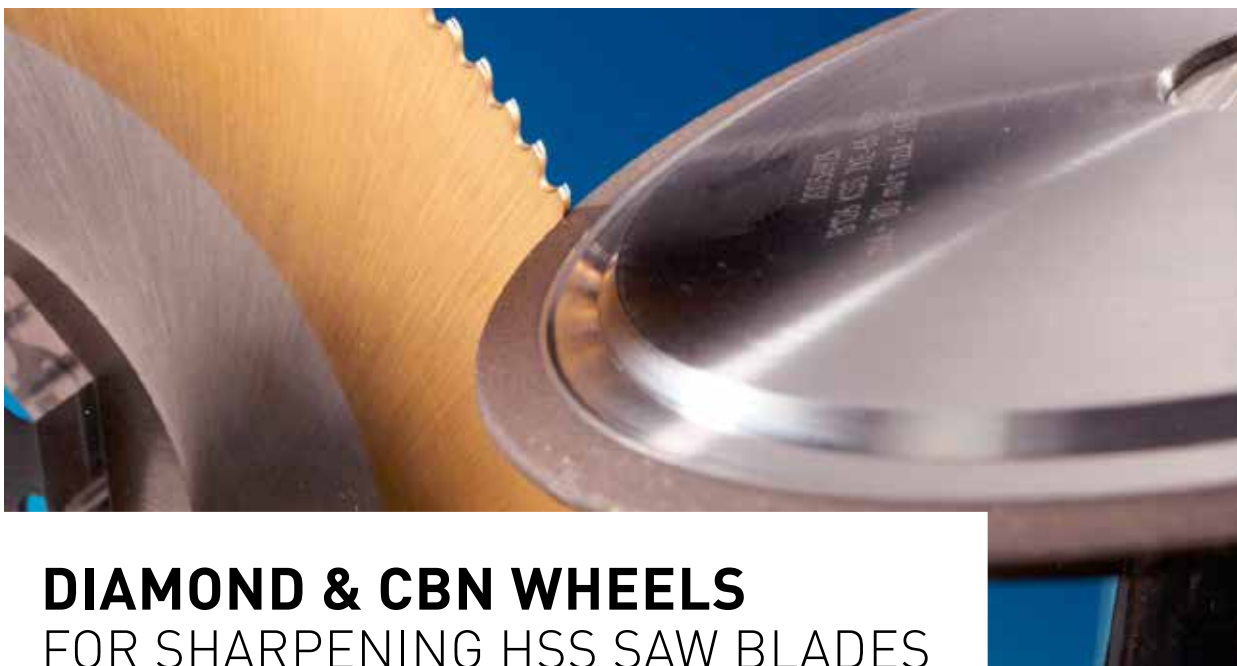
### 1A1W HOLLOW TOOTH GRINDING

|                                                                                     | DxTxX<br>(mm) | Y<br>(mm) | L<br>(mm) | Y <sub>1</sub><br>(mm) | L <sub>4</sub><br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.    | PRICE   |
|-------------------------------------------------------------------------------------|---------------|-----------|-----------|------------------------|------------------------|----------------|-----------|------------|---------|
|  | DIAMOND       |           |           |                        |                        |                |           |            |         |
|                                                                                     | 6,5x3x1,75    | 6         | 42        | 4,1                    | 10                     | ASD76 R125 B99 | 1         | 7958725782 | €000.00 |
|                                                                                     | 7x3x2         | 6         | 42        | 5,1                    | 10                     | ASD76 R125 B99 | 1         | 7958725783 | €000.00 |
| ADDITIONAL INFORMATION For all common machines                                      |               |           |           |                        |                        |                |           |            |         |

#### COLOUR CODES FOR MACHINE MANUFACTURERS

|                  |                 |            |        |       |
|------------------|-----------------|------------|--------|-------|
| Vollmer-Biberach | Vollmer-Dornhan | Woodtronic | Akemat | Widma |
|------------------|-----------------|------------|--------|-------|



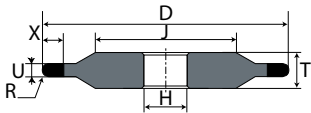


## DIAMOND & CBN WHEELS FOR SHARPENING HSS SAW BLADES

HSS saw blades are one-piece saws that are ground from one solid piece of metal. For this process HSS saws require special grinding machines.

14F1 wheels grind the required profile under CNC control. Wheels are ideal for both initial profiling and re-sharpening thanks to the advanced resin bond systems which ensure the wheels are economic and extremely wear resistant.

### 14F1 INITIAL PROFILING AND RE-SHARPENING

|                                                                                     | DxUxX<br>(mm) | R<br>(mm) | H<br>(mm) | T<br>(mm) | J<br>(mm) | SPECIFICATION          | PK<br>QTY | ART NO.    | PRICE   |
|-------------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|-----------|------------------------|-----------|------------|---------|
|  | <b>CBN</b>    |           |           |           |           |                        |           |            |         |
|                                                                                     | 200x1,3x6,5   | 0,65      | 32        | 8         | 169       | CB107 <b>ECO</b> Curve | 1         | 7958706686 | £000.00 |
|                                                                                     | 200x1,6x7     | 0,8       | 32        | 8         | 164       | CB107 <b>ECO</b> Curve | 1         | 7958714307 | £000.00 |
|                                                                                     | 200x2x8       | 1         | 32        | 8         | 164       | CB107 <b>ECO</b> Curve | 1         | 7958706684 | £000.00 |
|                                                                                     | 200x2,5x8     | 1,25      | 32        | 8         | 159       | CB107 <b>ECO</b> Curve | 1         | 7958716444 | £000.00 |
|                                                                                     | 200x3x10      | 1,5       | 32        | 8         | 160       | CB107 <b>ECO</b> Curve | 1         | 7958718179 | £000.00 |
|                                                                                     | 200x4x12,5    | 2         | 32        | 8         | 157       | CB107 <b>ECO</b> Curve | 1         | 7958716216 | £000.00 |
| <b>ADDITIONAL INFORMATION</b><br>For Loroach machines                               |               |           |           |           |           |                        |           |            |         |



## GENERAL ENGINEERING

### DIAMOND AND CBN GRINDING WHEELS FOR GENERAL ENGINEERING

Norton diamond and CBN wheels for general engineering are suitable for many grinding applications like OD-, ID-, and flat grinding, machining of knives, milling cutters and polishing.

Most of the bonds listed in this section are made with ASD (armoured synthetic diamonds) grit and are suitable for wet and dry grinding applications. Some wheels use AMD (armoured metal bond diamonds) which are more wear resistant but require a coolant.

More information about the application can be found in the relevant sub-chapters.

#### BOND OVERVIEW DIAMOND

| BOND     | WEAR RESISTANCE | RECOMMENDATION FOR USE              |
|----------|-----------------|-------------------------------------|
| R100 B99 | ↑               | For universal grinding (wet or dry) |
| R75 B99  |                 | For universal grinding (wet or dry) |
| R50 B99  |                 | For universal grinding (wet or dry) |
| R75 B49  |                 | For universal grinding (dry)        |
| R50 B49  |                 | For universal grinding (dry)        |

#### BOND OVERVIEW CBN

| BOND    | WEAR RESISTANCE | RECOMMENDATION FOR USE              |
|---------|-----------------|-------------------------------------|
| W B99   | ↑               | For universal grinding (wet or dry) |
| T B99   |                 | For universal grinding (wet or dry) |
| Q B99   |                 | For universal grinding (wet or dry) |
| R75 B49 |                 | For universal grinding (dry)        |
| R50 B49 |                 | For universal grinding (dry)        |



## DIAMOND & CBN WHEELS FOR GENERAL ENGINEERING

Norton offers a comprehensive stock programme for resin bonded 1A1 standard grinding wheels designed for OD- and flat grinding tungsten carbide and steel parts.

All specified grinding wheels can be used for OD- and flat grinding. However wheels (R50) with lower concentration have been specifically designed for flat grinding operations.

Other specifications are available on request.

### 1A1 OD AND FLAT GRINDING

|  | DxTxX<br>(mm)  | H<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.      | PRICE   |
|--|----------------|-----------|----------------|-----------|--------------|---------|
|  | <b>DIAMOND</b> |           |                |           |              |         |
|  | 175x15x3       | 32        | ASD126 R50 B99 | 1         | 7958732730   | £000.00 |
|  | 200x10x3       | 32        | ASD126 R75 B99 | 1         | 7958732731   | £000.00 |
|  | 200x10x3       | 51        | ASD126 R75 B99 | 1         | 7958732732   | £000.00 |
|  | 200x15x3       | 32        | ASD126 R75 B99 | 1         | 7958732840   | £000.00 |
|  | 250x15x3       | 51        | ASD126 R75 B99 | 1         | 7958764970** | £000.00 |
|  | 250x15x3       | 76,2      | ASD126 R75 B99 | 1         | 7958732804   | £000.00 |
|  | 300x10x3       | 127       | ASD126 R75 B99 | 1         | 7958732824   | £000.00 |
|  | 300x15x3       | 76        | ASD126 R75 B99 | 1         | 7958764968** | £000.00 |
|  | 300x15x3       | 127       | ASD126 R75 B99 | 1         | 7958732810   | £000.00 |
|  | 300x20x3       | 127       | AMD126 R50 B99 | 1         | 7958732812   | £000.00 |
|  | 350x15x3       | 127       | ASD126 R50 B99 | 1         | 7958788919*  | £000.00 |
|  | 350x20x3       | 127       | ASD126 R50 B99 | 1         | 7958788920*  | £000.00 |
|  | 350x30x3       | 127       | ASD126 R50 B99 | 1         | 7958788921*  | £000.00 |
|  | 400x15x3       | 127       | ASD126 R50 B99 | 1         | 7958788923*  | £000.00 |
|  | 400x20x3       | 127       | ASD126 R50 B99 | 1         | 7958788924*  | £000.00 |
|  | 400x30x3       | 127       | ASD126 R50 B99 | 1         | 7958788925*  | £000.00 |
|  | <b>CBN</b>     |           |                |           |              |         |
|  | 200x10x3       | 51        | CB126 T B99    | 1         | 7958732803   | £000.00 |
|  | 200x15x3       | 32        | CB126 Q B99    | 1         | 7958732838   | £000.00 |
|  | 250x15x3       | 51        | CB126 T B99    | 1         | 7958764971** | £000.00 |
|  | 250x20x3       | 76,2      | CB126 Q B99    | 1         | 7958732802   | £000.00 |
|  | 300x15x3       | 127       | CB126 T B99    | 1         | 7958732808   | £000.00 |
|  | 300x20x3       | 127       | CB126 Q B99    | 1         | 7958732815   | £000.00 |
|  | 350x15x3       | 127       | CB126 Q B99    | 1         | 7958788927*  | £000.00 |
|  | 350x20x3       | 127       | CB126 Q B99    | 1         | 7958788928*  | £000.00 |
|  | 350x30x3       | 127       | CB126 Q B99    | 1         | 7958788929*  | £000.00 |
|  | 400x15x3       | 127       | CB126 Q B99    | 1         | 7958788930*  | £000.00 |
|  | 400x20x3       | 127       | CB126 Q B99    | 1         | 7958788932*  | £000.00 |
|  | 400x30x3       | 127       | CB126 Q B99    | 1         | 7958788933*  | £000.00 |

\* Made-to-order \*\* Available while stocks last

# DIAMOND & CBN WHEELS FOR GENERAL ENGINEERING

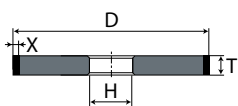
Resin bonded grinding pins and grinding wheels can be used for wet or dry applications, either manually or on automatic grinding machines.

To avoid burning and to ensure stable grinding conditions the diameter must be carefully selected. It is highly recommended to chose a diameter no bigger than 70% of the bore. When using grinding pins it is very important to follow the permitted speed instructions, which are engraved on the grinding tool.

If the permitted speed is slower than the adjustable speed of the grinding spindle, a different technical solution is required.

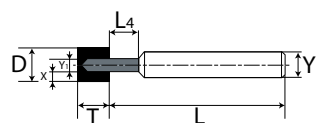


## 1A1 ID GRINDING



| DxTxX<br>(mm)  | H<br>(mm) | SPECIFICATION   | PK<br>QTY | ART NO.    | PRICE   |
|----------------|-----------|-----------------|-----------|------------|---------|
| <b>DIAMOND</b> |           |                 |           |            |         |
| 15x12x2        | 6         | ASD126 R100 B99 | 1         | 7958732728 | £000.00 |
| 20x10x2        | 6         | ASD126 R100 B99 | 1         | 7958732950 | £000.00 |
| 30x10x3        | 10        | ASD126 R75 B99  | 1         | 7958732956 | £000.00 |
| 40x15x3        | 10        | ASD126 R75 B99  | 1         | 7958732971 | £000.00 |
| <b>CBN</b>     |           |                 |           |            |         |
| 12x10x2        | 6         | CB126 W B99     | 1         | 7958732722 | £000.00 |
| 15x12x2        | 6         | CB126 W B99     | 1         | 7958732729 | £000.00 |
| 20x10x2        | 6         | CB126 W B99     | 1         | 7958732948 | £000.00 |
| 20x15x2        | 6         | CB126 W B99     | 1         | 7958732957 | £000.00 |
| 25x10x2        | 10        | CB126 W B99     | 1         | 7958732945 | £000.00 |
| 25x12x2        | 10        | CB126 W B99     | 1         | 7958732939 | £000.00 |
| 30x15x3        | 10        | CB126 W B99     | 1         | 7958732937 | £000.00 |
| 40x15x3        | 10        | CB126 W B99     | 1         | 7958732961 | £000.00 |
| 50x15x3        | 20        | CB126 W B99     | 1         | 7958732981 | £000.00 |

## 1A1W IDF GRINDING



| DxTxX<br>(mm) | Y<br>(mm) | L<br>(mm) | Y <sub>1</sub><br>(mm) | L <sub>4</sub><br>(mm) | SPECIFICATION   | PK<br>QTY | ART NO.      | PRICE   |
|---------------|-----------|-----------|------------------------|------------------------|-----------------|-----------|--------------|---------|
| DIAMOND       |           |           |                        |                        |                 |           |              |         |
| 3x6x0,65      | 3         | 60        | 1,7                    | 8                      | ASD64 R100 B99  | 1         | 7958732951   | £000.00 |
| 3x6x0,65      | 3         | 60        | 1,7                    | 8                      | ASD126 R100 B99 | 1         | 7958732949** | £000.00 |
| 5x6x1,5       | 3         | 60        | 2,1                    | 8                      | ASD64 R100 B99  | 1         | 7958732944   | £000.00 |
| 5x6x1,5       | 3         | 60        | 2,1                    | 8                      | ASD126 R100 B99 | 1         | 7958732943   | £000.00 |
| 6x6x1,5       | 6         | 60        | 3,1                    | 8                      | ASD64 R100 B99  | 1         | 7958732940   | £000.00 |
| 6x6x1,5       | 6         | 60        | 3,1                    | 8                      | ASD126 R100 B99 | 1         | 7958732941   | £000.00 |
| 8x10x2        | 6         | 60        | 4,1                    | 12                     | ASD64 R100 B99  | 1         | 7958732954   | £000.00 |
| 8x10x2        | 6         | 60        | 4,1                    | 12                     | ASD126 R100 B99 | 1         | 7958732953   | £000.00 |
| 10x10x2       | 6         | 60        | -                      | -                      | ASD64 R100 B99  | 1         | 7958732959   | £000.00 |
| 10x10x2       | 6         | 60        | -                      | -                      | ASD126 R100 B99 | 1         | 7958732960   | £000.00 |
| 12x12x2       | 6         | 60        | -                      | -                      | ASD64 R100 B99  | 1         | 7958732963   | £000.00 |
| CBN           |           |           |                        |                        |                 |           |              |         |
| 3x6x0,65      | 3         | 60        | 1,7                    | 8                      | CB126 W B99     | 1         | 7958732947   | £000.00 |
| 5x6x1,5       | 3         | 60        | 2,1                    | 8                      | CB126 W B99     | 1         | 7958732946   | £000.00 |
| 6x6x1,5       | 6         | 60        | 3,1                    | 8                      | CB126 W B99     | 1         | 7958732938   | £000.00 |
| 8x10x2        | 6         | 60        | 4,1                    | 12                     | CB126 W B99     | 1         | 7958732955   | £000.00 |
| 10x10x2       | 6         | 60        | -                      | -                      | CB126 W B99     | 1         | 7958732958   | £000.00 |
| 12x12x2       | 6         | 60        | -                      | -                      | CB126 W B99     | 1         | 7958732962   | £000.00 |

\*\* Available while stocks last





## DIAMOND & CBN WHEELS FOR GENERAL ENGINEERING

Norton offers a small assortment of standard resin bonded cut-off grinding wheels. The specified diamond cut-off wheels cut hard, short-chipping and wear resistant materials such as glass, ceramics and carbide. The contained CBN cut-off wheels are ideal for machining high speed steel, hardened steel, 55 HRC and magnetic materials.

Further specifications for resin bond, sintered metal and electroplated metal bond are available on request.

### 1A1R CUT-OFF

|  | DxTxX<br>(mm)  | E<br>(mm) | H<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.     | PRICE   |
|--|----------------|-----------|-----------|----------------|-----------|-------------|---------|
|  | <b>DIAMOND</b> |           |           |                |           |             |         |
|  | 100x0,9x5      | 0,7       | 20        | ASD126 R75 B99 | 1         | 60157681683 | £000.00 |
|  | 125x1x5        | 0,7       | 20        | ASD126 R75 B99 | 1         | 60157681686 | £000.00 |
|  | 150x1x5        | 0,8       | 20        | ASD126 R75 B99 | 1         | 60157681688 | £000.00 |
|  | <b>CBN</b>     |           |           |                |           |             |         |
|  | 100x0,9x5      | 0,7       | 20        | CB151 T B99    | 1         | 60157681767 | £000.00 |
|  | 125x1x5        | 0,7       | 20        | CB151 T B99    | 1         | 60157682094 | £000.00 |
|  | 150x1x5        | 0,8       | 20        | CB151 T B99    | 1         | 60157682103 | £000.00 |



## DIAMOND & CBN WHEELS FOR GENERAL ENGINEERING KNIFE GRINDING

Norton offers a range of resin bonded grinding wheels for machining flat, circular and profile knives.

The 6A2 grinding wheels are specifically designed for wet grinding of circular knives with tungsten carbide-steel combinations on Göckel and Reform machines.

The 14F1 grinding wheels are designed for use on Weinig machines for grinding profile knives for the wood industry.

### 6A2 FLAT GRINDING

|  | DxWxX<br>(mm)  | H<br>(mm) | M<br>(mm) | E<br>(mm) | SPECIFICATION   | PK<br>QTY | MACGINES   | ART NO.    | PRICE   |
|--|----------------|-----------|-----------|-----------|-----------------|-----------|------------|------------|---------|
|  | <b>DIAMOND</b> |           |           |           |                 |           |            |            |         |
|  | 200x8x4        | 50        | 31        | 23        | AMD126 R100 B99 | 1         | For Göckel | 7958732926 | £000.00 |
|  | 200x8x4        | 75        | 31        | 23        | AMD126 R100 B99 | 1         | For Reform | 7958732850 | £000.00 |

### 14F1 PROFILE GRINDING

|                                                      | DxUxX<br>(mm)  | R<br>(mm) | H<br>(mm) | T<br>(mm) | J<br>(mm) | SPECIFICATION   | PK<br>QTY | ART NO.    | PRICE   |
|------------------------------------------------------|----------------|-----------|-----------|-----------|-----------|-----------------|-----------|------------|---------|
|                                                      | <b>DIAMOND</b> |           |           |           |           |                 |           |            |         |
|                                                      | 200x2x7        | 1         | 60        | 10        | 129       | ASD64 R100 B99  | 1         | 7958732992 | £000.00 |
|                                                      | 200x4x7        | 2         | 60        | 10        | 134       | ASD151 R100 B99 | 1         | 7958732986 | £000.00 |
| <b>ADDITIONAL INFORMATION</b><br>For Weinig machines | <b>CBN</b>     |           |           |           |           |                 |           |            |         |
|                                                      | 200x2x7        | 1         | 60        | 10        | 129       | CB126 T B99     | 1         | 7958732990 | £000.00 |
|                                                      | 200x4x7        | 2         | 60        | 10        | 134       | CB151 W B99     | 1         | 7958732988 | £000.00 |

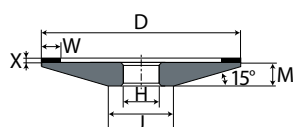
# DIAMOND & CBN WHEELS FOR GENERAL ENGINEERING MILLING CUTTERS

Grinding tool faces and clearances are the main applications of the milling cutter.

Norton offers a diverse range of grinding wheels to enable excellent performance in both applications. A comprehensive range of grit sizes and concentrations provides the ideal solution for each application. The price vs. performance ratio of these tools is the underlying benefit of this product range.



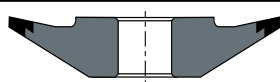
## 4A2 FACE GRINDING



| DxWxX<br>(mm)  | H<br>(mm) | M<br>(mm) | J<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.      | PRICE   |
|----------------|-----------|-----------|-----------|----------------|-----------|--------------|---------|
| <b>DIAMOND</b> |           |           |           |                |           |              |         |
| 100x5x2        | 20        | 6         | 66        | ASD64 R75 B99  | 1         | 7958732965   | £000.00 |
| 125x5x2        | 20        | 7         | 84        | ASD64 R75 B99  | 1         | 7958732868   | £000.00 |
| 125x5x2        | 20        | 7         | 84        | ASD126 R75 B99 | 1         | 7958732870   | £000.00 |
| 125x5x2        | 32        | 7         | 84        | ASD91 R75 B99  | 1         | 7958732866   | £000.00 |
| 125x10x2       | 20        | 7         | 84        | ASD107 R75 B99 | 1         | 7958732873   | £000.00 |
| 150x5x2        | 32        | 9         | 94        | ASD64 R75 B99  | 1         | 7958732863   | £000.00 |
| 150x5x2        | 20        | 9         | 94        | ASD126 R75 B99 | 1         | 7958732864   | £000.00 |
| 150x5x2        | 32        | 9         | 94        | ASD54 R50 B99  | 1         | 7958732858** | £000.00 |
| 150x5x2        | 32        | 9         | 94        | ASD91 R75 B99  | 1         | 7958732855   | £000.00 |
| 150x3x3,3      | 20        | 9         | 94        | ASD64 R75 B49  | 1         | 66260120336* | £000.00 |
| 175x5x4        | 32        | 11        | 104       | ASD126 R75 B99 | 1         | 7958732929*  | £000.00 |
| <b>CBN</b>     |           |           |           |                |           |              |         |
| 100x5x2        | 20        | 6         | 66        | CB126 T B99    | 1         | 7958732884   | £000.00 |
| 150x5x4        | 20        | 9         | 94        | CB107 T B99    | 1         | 7958732852   | £000.00 |
| 150x3x3,3      | 20        | 9         | 94        | CB107 R75 B49  | 1         | 66260120370* | £000.00 |
| 175x5x4        | 20        | 11        | 104       | CB126 T B99    | 1         | 7958733000   | £000.00 |

\* Made-to-order \*\* Available while stocks last

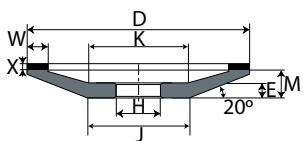
## 4BT9 FACE GRINDING



| DxWxX<br>(mm)  | H<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.      | PRICE   |
|----------------|-----------|----------------|-----------|--------------|---------|
| <b>DIAMOND</b> |           |                |           |              |         |
| 100x10x1       | 20        | ASD64 R75 B99  | 1         | 66260171068* | £000.00 |
| 100x10x1       | 20        | ASD126 R75 B99 | 1         | 66260171069* | £000.00 |
| <b>CBN</b>     |           |                |           |              |         |
| 100x10x1       | 20        | CB64 T B99     | 1         | 66260171070* | £000.00 |
| 100x10x1       | 20        | CB126 T B99    | 1         | 66260171067* | £000.00 |

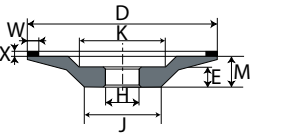
\* Made-to-order

## 12A2-20° FACE GRINDING

|                                                                                   | DxWxX<br>(mm) | H<br>(mm) | M<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm) | SPECIFICATION   | PK<br>QTY | ART NO.       | PRICE   |
|-----------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|---------------|---------|
|  | DIAMOND       |           |           |           |           |           |                 |           |               |         |
|                                                                                   | 125x5x2       | 20        | 14        | 54        | 8         | 54        | ASD126 R75 B99  | 1         | 69014151721   | £000.00 |
|                                                                                   | 125x6x4       | 20        | 14        | 54        | 8         | 54        | ASD126 R100 B99 | 1         | 60157682171   | £000.00 |
|                                                                                   | 125x6x4       | 32        | 14        | 54        | 8         | 54        | ASD91 R75 B99   | 1         | 60157682172   | £000.00 |
|                                                                                   | 150x5x2       | 20        | 16        | 68        | 9         | 68        | ASD64 R50 B99   | 1         | 69014151397   | £000.00 |
|                                                                                   | 150x5x2       | 20        | 16        | 68        | 9         | 68        | ASD126 R75 B99  | 1         | 69014151961   | £000.00 |
|                                                                                   | 150x5x2       | 32        | 16        | 68        | 9         | 68        | ASD126 R75 B99  | 1         | 69014151963   | £000.00 |
|                                                                                   | 150x5x3       | 32        | 16        | 68        | 9         | 68        | ASD64 R100 B99  | 1         | 60157682177   | £000.00 |
|                                                                                   | 150x5x3       | 32        | 16        | 68        | 9         | 68        | ASD91 R100 B99  | 1         | 60157682176** | £000.00 |
|                                                                                   | 175x5x2       | 20        | 18        | 82        | 10        | 82        | ASD126 R75 B99  | 1         | 69014151422   | £000.00 |
|                                                                                   | 175x5x2       | 32        | 18        | 82        | 10        | 82        | ASD126 R75 B99  | 1         | 69014151424   | £000.00 |
|                                                                                   | CBN           |           |           |           |           |           |                 |           |               |         |
|                                                                                   | 150x5x4       | 20        | 16        | 68        | 9         | 68        | CB126 Q B99     | 1         | 69014151412   | £000.00 |
|                                                                                   | 150x6x4       | 32        | 16        | 68        | 9         | 68        | CB126 T B99     | 1         | 60157682182   | £000.00 |
|                                                                                   | 175x5x4       | 20        | 18        | 82        | 10        | 82        | CB126 T B99     | 1         | 69014151427   | £000.00 |

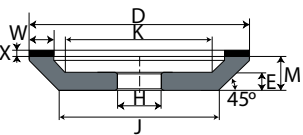
\*\* Available while stocks last

## 13A2 FACE GRINDING

|                                                                                     | DxWxX<br>(mm) | H<br>(mm) | M<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.       | PRICE   |
|-------------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|---------------|---------|
|  | DIAMOND       |           |           |           |           |           |                |           |               |         |
|                                                                                     | 125x5x4       | 20        | 19        | 50        | 9         | 73        | ASD126 R75 B99 | 1         | 7958732991**  | £000.00 |
|                                                                                     | 125x5x4       | 20        | 18        | 50        | 9         | 73        | ASD64 R50 B49  | 1         | 66260120331   | £000.00 |
|                                                                                     | 125x5x4       | 20        | 18        | 50        | 9         | 73        | ASD181 R50 B49 | 1         | 66260120332*  | £000.00 |
|                                                                                     | 150x5x4       | 20        | 20        | 75        | 11        | 95        | ASD64 R50 B49  | 1         | 66260120333** | £000.00 |
|                                                                                     | CBN           |           |           |           |           |           |                |           |               |         |
|                                                                                     | 125x5x4       | 20        | 19        | 50        | 9         | 73        | CB64 Q B99     | 1         | 7958732973    | £000.00 |
|                                                                                     | 125x5x4       | 20        | 18        | 50        | 9         | 73        | CB64 R50 B49   | 1         | 66260120367** | £000.00 |
|                                                                                     | 150x5x4       | 20        | 20        | 75        | 11        | 95        | CB126 R50 B49  | 1         | 66260120368** | £000.00 |
|                                                                                     | 175x5x4       | 20        | 22        | 75        | 11        | 95        | CB126 R50 B49  | 1         | 66260120369** | £000.00 |
|                                                                                     |               |           |           |           |           |           |                |           |               |         |
|                                                                                     |               |           |           |           |           |           |                |           |               |         |

\* Made-to-order \*\* Available while stocks last

## 12A2-45° TOP GRINDING

|                                                                                     | DxWxX<br>(mm) | H<br>(mm) | M<br>(mm) | K<br>(mm) | E<br>(mm) | J<br>(mm) | SPECIFICATION  | PK<br>QTY | ART NO.    | PRICE   |
|-------------------------------------------------------------------------------------|---------------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|------------|---------|
|  | DIAMOND       |           |           |           |           |           |                |           |            |         |
|                                                                                     | 100x5x2       | 20        | 23        | 54        | 10        | 56        | ASD107 R50 B99 | 1         | 7958732999 | £000.00 |
|                                                                                     | 100x6x3       | 20        | 20        | 64        | 10        | 62        | ASD76 R75 B99  | 1         | 7958732968 | £000.00 |
|                                                                                     | 100x6x3       | 20        | 20        | 64        | 10        | 62        | ASD126 R75 B99 | 1         | 7958732966 | £000.00 |
|                                                                                     | 125x6x3       | 32        | 23        | 83        | 10        | 81        | ASD126 R75 B99 | 1         | 7958732969 | £000.00 |
|                                                                                     | CBN           |           |           |           |           |           |                |           |            |         |
|                                                                                     | 100x5x2       | 20        | 23        | 54        | 10        | 56        | CB126 Q B99    | 1         | 7958732997 | £000.00 |
|                                                                                     | 125x6x2       | 20        | 23        | 83        | 10        | 81        | CB126 T B99    | 1         | 7958732970 | £000.00 |
|                                                                                     |               |           |           |           |           |           |                |           |            |         |
|                                                                                     |               |           |           |           |           |           |                |           |            |         |
|                                                                                     |               |           |           |           |           |           |                |           |            |         |



## DIAMOND LAPPING COMPOUNDS FOR GENERAL ENGINEERING

Norton lapping compounds are supplied in a standard concentration of 5g dispenser syringes. Perfectly sized synthetic diamond powder is mixed with a paste. When used, this compound should be diluted with water or alcohol.

### APPLICATIONS & MARKETS

- Used for lapping an extremely wide range of parts by hand
- Superfinishing of electronic components, semi-conductors, magnetic heads, rigid discs and optical discs
- Finishing for routine operations
- Preparatory lapping
- Fast removal of material, roughing

### DIAMOND COMPOUND PASTE

- Optimised diamond grit distribution
- Easy and safe application

| GRADE<br>(MICRONS) | COLOUR     | CONTENTS | PK<br>QTY | ART. NO.    | PRICE   |
|--------------------|------------|----------|-----------|-------------|---------|
| 1/4                | GREY       | 5g       | 1         | 69014154990 | £000.00 |
| 1/2                | LIGHT GREY | 5g       | 1         | 69014154991 | £000.00 |
| 1                  | IVORY      | 5g       | 1         | 69014154992 | £000.00 |
| 3                  | YELLOW     | 5g       | 1         | 69014154993 | £000.00 |
| 6                  | ORANGE     | 5g       | 1         | 69014154994 | £000.00 |
| 9                  | GREEN      | 5g       | 1         | 69014154995 | £000.00 |
| 12                 | LIGHT BLUE | 5g       | 1         | 69014154996 | £000.00 |
| 15                 | BLUE       | 5g       | 1         | 69014154997 | £000.00 |
| 20                 | BROWN      | 5g       | 1         | 69014154998 | £000.00 |
| 30                 | RED        | 5g       | 1         | 69014154999 | £000.00 |
| 45                 | CHESTNUT   | 5g       | 1         | 69014155000 | £000.00 |
| 60                 | VIOLET     | 5g       | 1         | 69014155001 | £000.00 |







## DIAMOND FILES FOR GENERAL ENGINEERING

Norton offers a range of diamond files in various shapes for deburring, tool profiling, hardened steel & metal carbides, glass, ceramics & hard plastics.

### FILES

- Free cutting and very high wear resistant, requiring only low contact pressure

| SHAPE                                                                               | T<br>(mm) | H<br>(mm) | L<br>(mm) | PK<br>QTY | ART. NO.     | PRICE   |
|-------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|--------------|---------|
|  | 1,4       | 4,8       | 140       | 6         | 60157636812  | £000.00 |
|  | 1,9       | 5,3       | 140       | 6         | 60157636813  | £000.00 |
|  | 3,6       | 3,6       | 140       | 6         | 60157636814* | £000.00 |
|  | 2,5       | 2,5       | 140       | 6         | 60157636815* | £000.00 |
|  | 1,4       | 4,8       | 140       | 6         | 60157636817* | £000.00 |
| Set - all above                                                                     | -         | -         | -         | 6         | 60157636811* | £000.00 |



\* Made-to-order

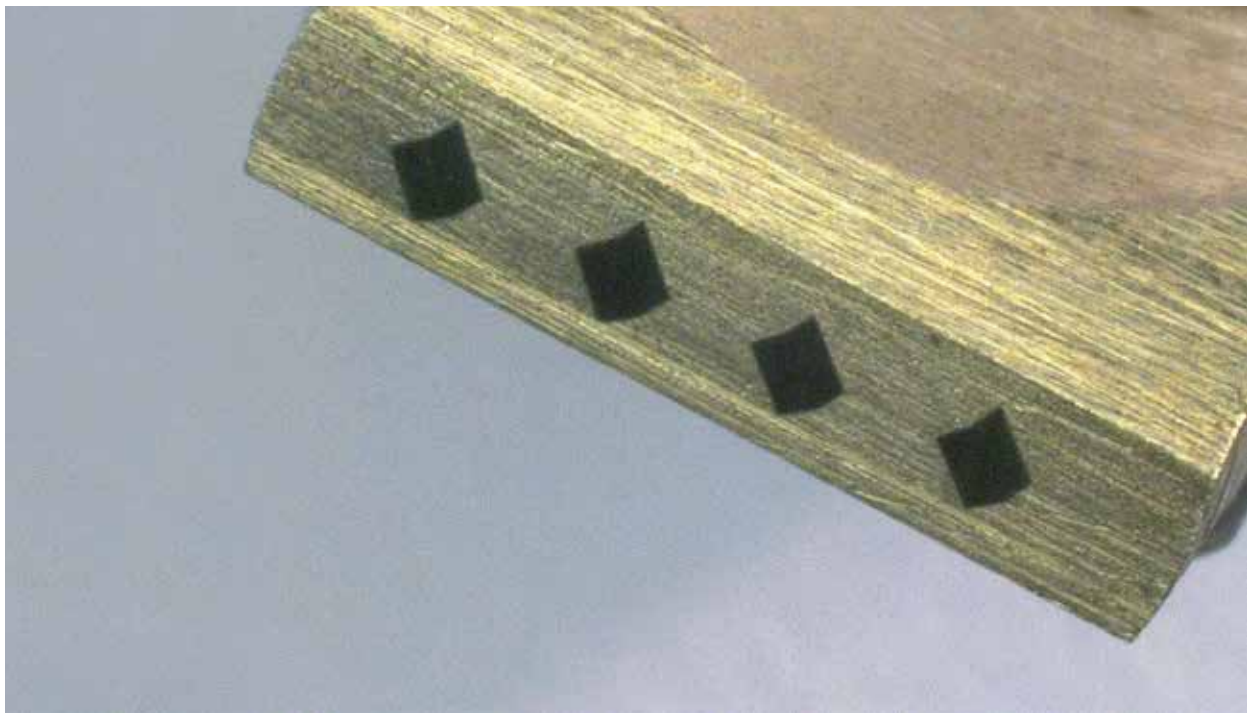


## DIAMOND DRESSERS FOR CONVENTIONAL GRINDING WHEELS

Norton stationary diamond dressing tools have a worldwide reputation for quality and technology. Ideal for profiling and straight dressing of all conventional grinding wheels.

### PRODUCT SELECTION GUIDE

| APPLICATIONS                                  | STRAIGHT<br>PLUNGE<br>GRINDING                                                      | ANGULAR<br>PLUNGE /<br>PROFILE<br>GRINDING                                                                                                                              | CENTRELESS /<br>THROUGH-<br>FEED<br>GRINDING                                        | INTERNAL<br>GRINDING                                                                 | DIAFORM                                                                                                                                                                     | SINTERED<br>GRAINS                                                                    |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| PROFILE<br>AVAILABILITY                       |  |   |  |  |   |  |
| Blade tool with CVD                           |                                                                                     | ●                                                                                                                                                                       |                                                                                     |                                                                                      |                                                                                                                                                                             | ●                                                                                     |
| Blade tool with natural grains                | ●                                                                                   | ●                                                                                                                                                                       | ●                                                                                   |                                                                                      |                                                                                                                                                                             | ●                                                                                     |
| Profile dresser                               |                                                                                     |                                                                                                                                                                         |                                                                                     |                                                                                      | ●                                                                                                                                                                           |                                                                                       |
| Multi point                                   | ●                                                                                   |                                                                                                                                                                         | ●                                                                                   |                                                                                      |                                                                                                                                                                             |                                                                                       |
| Single point                                  |                                                                                     |                                                                                                                                                                         |                                                                                     | ●                                                                                    |                                                                                                                                                                             |                                                                                       |
| <div>Highly recommended ● Recommended ○</div> |                                                                                     |                                                                                                                                                                         |                                                                                     |                                                                                      |                                                                                                                                                                             |                                                                                       |



## SELECTING A BLADE TOOL DRESSER

|                                       |                                                                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dressing of profiles with blade tools | Dressing tools use a 'needle' form of natural or synthetic diamonds. Needle diamonds are especially suited to dressing profiles using infeeds and angular feeds.                                                               |
| Natural diamonds                      | An effective diamond layer with a length of up to 15mm creates an economical dressing solution. Using precise diamond setting patterns, with overlapped rows of stones, ensures that consistent dressing results are achieved. |
| Synthetic diamonds                    | The constant cross section given by synthetic diamonds, guarantees a constant dressing behaviour through the complete life of the dressing tool.                                                                               |

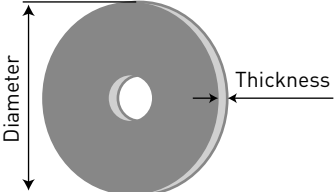
### SELECTION OF GRIT SIZE

| Grit size of grinding wheel | Synthetic diamond size (mm) | Natural diamond size |
|-----------------------------|-----------------------------|----------------------|
| 46                          | 0,8x0,8                     | D1181                |
| 60                          | 0,8x0,8                     | D1001                |
| 80-120                      | 0,6x0,6                     | D711                 |

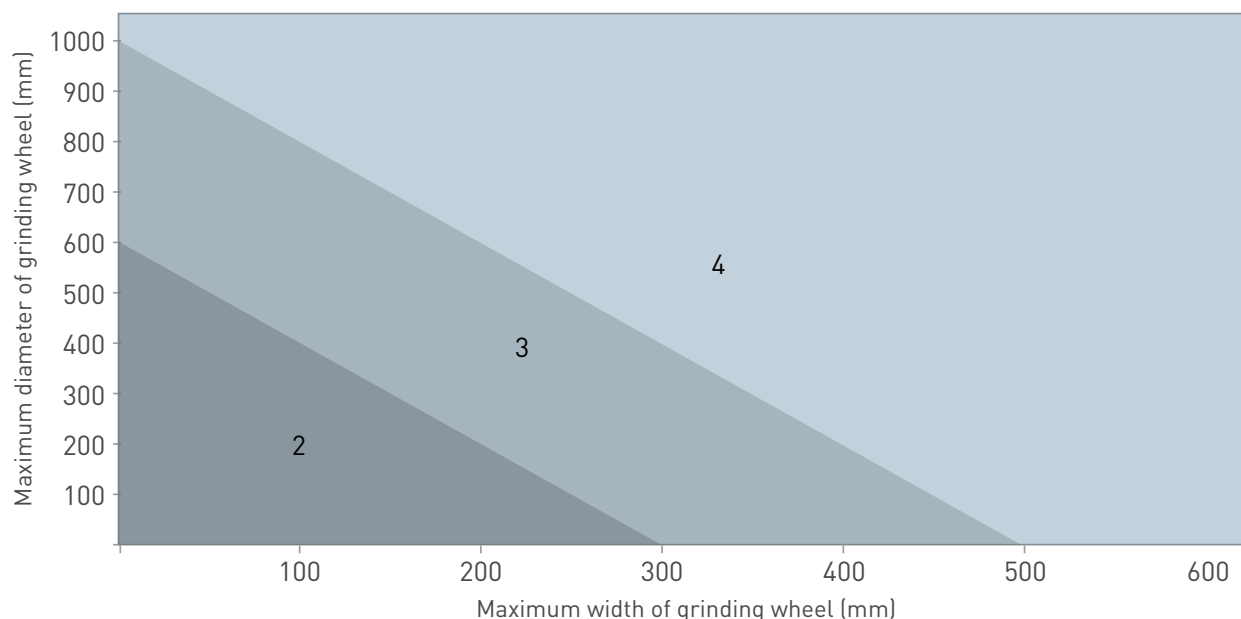


A new dressing tool should be put through at least 5 dressing cycles in order to fit the diameter of the grinding wheel.  
The lifetime of the dressing tool is extended by ensuring that adequate coolant pressure and volume are directed at the tool.

### SELECTION OF TOOL SIZE

|  | Diameter x Thickness (mm) | No. of synthetic needles | Dimensions (mm) |
|-------------------------------------------------------------------------------------|---------------------------|--------------------------|-----------------|
|                                                                                     | <35000                    | 2                        | 10,5x28         |
|                                                                                     | 35000-60000               | 3                        | 20,5x28         |
|                                                                                     | 60000-100000              | 4                        | 20,5x28         |

## NUMBER OF CVD NEEDLES PER BLADE



## SELECTING A SINGLE-POINT DRESSER

Which tool to choose depends mainly on the dimensions of the wheel to be dressed. In order to calculate this, it is best to use the following method:

### MULTIPLY THE DIAMETER OF THE WHEEL BY ITS THICKNESS

|  | Diameter x Thickness (mm) | Carat      |
|--|---------------------------|------------|
|  | < 6000                    | 0,33 Carat |
|  | 6000 – 18000              | 0,50 Carat |
|  | > 18000                   | 1,0 Carat  |

For best results, always use a coolant when dressing

## SELECTING A MULTI-POINT DRESSER

Which tool to choose depends mainly on the dimensions of the wheel to be dressed. In order to calculate this, it is best to use the following method:

### MULTIPLY THE DIAMETER OF THE WHEEL BY ITS THICKNESS

|  | Diameter x Thickness (mm) | Carat     |
|--|---------------------------|-----------|
|  | < 30000                   | 1,3 Carat |
|  | 30000 – 60000             | 2,5 Carat |
|  | > 60000                   | 5,0 Carat |

For best results, always use a coolant when dressing

## DIAMOND DRESSERS

### CHOICE OF DIAMOND GRIT

| Wheel abrasive | Diamond |
|----------------|---------|
| 80-120         | D301    |
| 60-80          | D711    |
| 46-60          | D1001   |
| 36-46          | D2240   |

## BLADE TOOL DRESSERS HPB-D 3565 & 3585



- Synthetic multi-crystalline diamond
- The most consistent dresser for demanding profiling and straight dressing

| WxLxDL<br>(mm) | GRIT    | SPECIFICATION  | PK<br>QTY | ART NO.     | PRICE |
|----------------|---------|----------------|-----------|-------------|-------|
| 10,5x28x4      | 0,6x0,6 | HPB-D 3565 / 2 | 1         | 60157682820 | £0.00 |
| 10,5x28x4      | 0,6x0,6 | HPB-D 3565 / 3 | 1         | 60157682856 | £0.00 |
| 10,5x28x4      | 0,6x0,6 | HPB-D 3565 / 4 | 1         | 60157682895 | £0.00 |
| 10,5x28x4      | 0,8x0,8 | HPB-D 3585 / 2 | 1         | 60157682899 | £0.00 |
| 10,5x28x4      | 0,8x0,8 | HPB-D 3585 / 3 | 1         | 60157682902 | £0.00 |
| 10,5x28x4      | 0,8x0,8 | HPB-D 3585 / 4 | 1         | 60157682904 | £0.00 |



## BLADE TOOL DRESSERS HPB-D & -C 30, 45, 60



- An economical dressing solution for all Alox and SiC wheels.
- Needles are recommended for profile dressing
- Natural diamond

| WxLxDL<br>(mm) | GRIT   | SPECIFICATION | PK<br>QTY | ART NO.      | PRICE |
|----------------|--------|---------------|-----------|--------------|-------|
| 10,5x28x12     | D711   | HPB-D 30      | 1         | 60157682759* | £0.00 |
| 10,5x28x12     | D1001  | HPB-D 45      | 1         | 60157682782  | £0.00 |
| 10,5x28x12     | D1181  | HPB-D 60      | 1         | 60157682786  | £0.00 |
| 10,5x28x12     | NEEDLE | HPB-D         | 1         | 60157682790  | £0.00 |
| 20,5x28x10     | D711   | HPB-C 30      | 1         | 60157682801  | £0.00 |
| 20,5x28x10     | D1001  | HPB-C 45      | 1         | 60157682806  | £0.00 |
| 20,5x28x10     | D1181  | HPB-C 60      | 1         | 60157682809  | £0.00 |
| 20,5x28x10     | NEEDLE | HPB-C         | 1         | 60157682814  | £0.00 |



\* Made-to-order

## SCREWED SHANKS FOR BLADE TOOL DRESSERS



| DIA<br>(mm) | L<br>(mm) | SHANK<br>CODE | SPECIFICATION | PK<br>QTY | ART NO.     | PRICE |
|-------------|-----------|---------------|---------------|-----------|-------------|-------|
| 12,065      | 40        | MT1           | HPB-H3        | 1         | 60157682832 | £0.00 |
| 9,045       | 25,5      | MT0           | HPB-H4        | 1         | 60157682907 | £0.00 |
| 11,11       | 50        | Z11,11        | HPB-H2        | 1         | 60157682910 | £0.00 |
| 10,00       | 50        | Z10           | HPB-HX        | 1         | 60157682911 | £0.00 |



## SINGLE-POINT DRESSER BC SG **+++++**

- Highest quality diamonds
- Specifically developed for dressing ceramic abrasive (SG/TG) wheels which require faster traverse speed dressing
- High performance tools
- Enables dressing costs to be reduced, specially at production grinding stations

| SHANK (mm) | CARAT | PK QTY | ART NO.     | PRICE   |
|------------|-------|--------|-------------|---------|
| Z8         | 0,50  | 1      | 66260161757 | £000.00 |
|            | 1,00  | 1      | 66260161755 | £000.00 |
| Z10        | 0,33  | 1      | 66260161769 | £000.00 |
|            | 0,50  | 1      | 66260161768 | £000.00 |
|            | 1,00  | 1      | 66260161766 | £000.00 |
| Z11,11     | 0,33  | 1      | 66260156906 | £000.00 |
|            | 0,50  | 1      | 66260156907 | £000.00 |
|            | 1,00  | 1      | 66260157010 | £000.00 |
| Z12        | 0,50  | 1      | 66260161779 | £000.00 |
|            | 1,00  | 1      | 66260161777 | £000.00 |



## SINGLE-POINT DRESSER BC (CYLINDRICAL SHANK) **+++++**

- Standard diamonds
- Ideal for applications where it is difficult to measure the performance of the dressing tool
- Economy product
- Suitable for dressing conventional abrasive wheels

| SHANK (mm) | CARAT | PK QTY | ART NO.     | PRICE |
|------------|-------|--------|-------------|-------|
| Z8         | 0,33  | 1      | 66260161753 | £0.00 |
|            | 0,50  | 1      | 66260161752 | £0.00 |
|            | 1,00  | 1      | 66260161750 | £0.00 |
| Z10        | 0,33  | 1      | 66260161764 | £0.00 |
|            | 0,50  | 1      | 66260161763 | £0.00 |
|            | 1,00  | 1      | 66260161761 | £0.00 |
| Z11,11     | 0,33  | 1      | 66260195003 | £0.00 |
|            | 0,50  | 1      | 66260195005 | £0.00 |
|            | 1,00  | 1      | 66260195009 | £0.00 |
| Z12        | 0,33  | 1      | 66260161775 | £0.00 |
|            | 0,50  | 1      | 66260161774 | £0.00 |



## DIAMOND DRESSERS

### SINGLE-POINT DRESSER SP (MK- SHANK) **+++**

- Commercial standard diamonds
- Standard dresser for conventional abrasive wheels

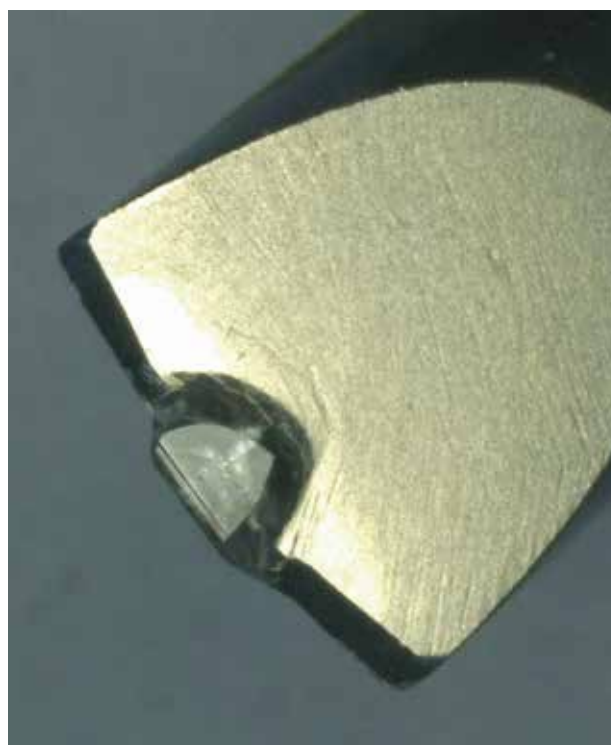
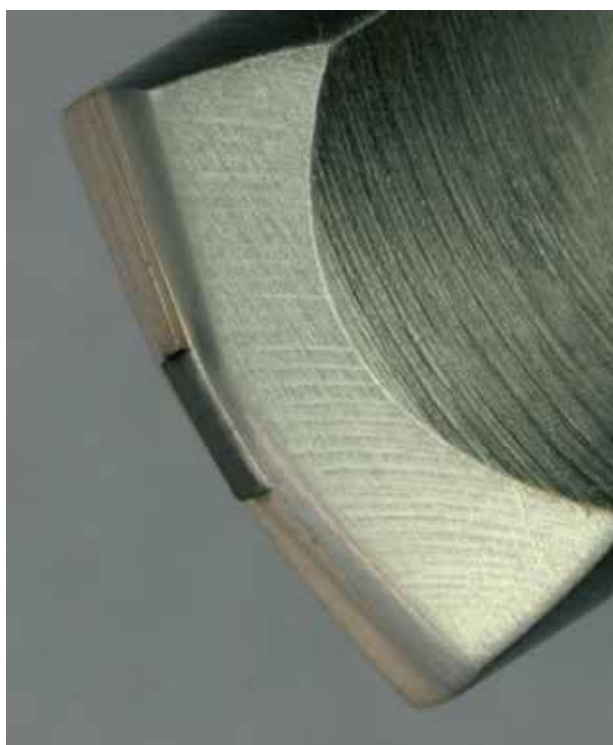
| SHANK (mm) | CARAT | PK QTY | ART NO.     | PRICE   |
|------------|-------|--------|-------------|---------|
| MK0        | 0,3   | 1      | 69014119596 | £000.00 |
|            | 0,5   | 1      | 69014119598 | £000.00 |
|            | 1,0   | 1      | 69014119599 | £000.00 |
|            | 1,5   | 1      | 69014119600 | £000.00 |
| MK1        | 0,3   | 1      | 69014119570 | £000.00 |
|            | 0,5   | 1      | 69014119591 | £000.00 |
|            | 1,0   | 1      | 69014119594 | £000.00 |
|            | 1,5   | 1      | 69014119595 | £000.00 |



### PROFILE DRESSER **+++++**

- Extremely high performance tools
- Used to meet extremely high profile accuracy requirements

| SHANK (mm) | RADIUS (mm) | ANGLE | SPECIFICATION | ART NO.     | PRICE   |
|------------|-------------|-------|---------------|-------------|---------|
| Z9,52      | 0,13        | 40°   | DC 40/130     | 60157682850 | £000.00 |
|            | 0,25        | 40°   | DC 40/250     | 60157682889 | £000.00 |
|            | 0,50        | 40°   | DC 40/500     | 60157682901 | £000.00 |
|            | 0,13        | 60°   | DC 60/130     | 60157682903 | £000.00 |
|            | 0,25        | 60°   | DC 60/250     | 60157682905 | £000.00 |
|            | 0,50        | 60°   | DC 60/500     | 60157682909 | £000.00 |



# MULTI-POINT DRESSER **+++++**

- Economical and robust too
- Ideal for straight dressing at high speed with low technical demands

| TYPE                 | SHANK (mm)    | GRIT  | PK QTY | ART. NO.    | PRICE   |
|----------------------|---------------|-------|--------|-------------|---------|
| D11x11<br>(5 Carat)  | Z8            | D2240 | 1      | 60157682849 | £000.00 |
|                      |               | D1001 | 1      | 60157682896 | £000.00 |
|                      |               | D711  | 1      | 60157682906 | £000.00 |
|                      | Z10           | D2240 | 1      | 60157682892 | £000.00 |
|                      |               | D1001 | 1      | 60157682897 | £000.00 |
|                      |               | D711  | 1      | 60157682908 | £000.00 |
|                      | Z11,11        | D2240 | 1      | 60157682893 | £000.00 |
|                      |               | D1001 | 1      | 60157682898 | £000.00 |
|                      |               | D711  | 1      | 60157682912 | £000.00 |
|                      | MT1<br>12,065 | D2240 | 1      | 60157682894 | £000.00 |
|                      |               | D1001 | 1      | 60157682900 | £000.00 |
|                      |               | D711  | 1      | 60157682914 | £000.00 |
| D8x11<br>(2,5 Carat) | Z8            | D2240 | 1      | 60157682915 | £000.00 |
|                      |               | D1001 | 1      | 60157682920 | £000.00 |
|                      |               | D711  | 1      | 60157682970 | £000.00 |
|                      | Z10           | D2240 | 1      | 60157682916 | £000.00 |
|                      |               | D1001 | 1      | 60157682922 | £000.00 |
|                      |               | D711  | 1      | 60157682968 | £000.00 |
|                      | Z11,11        | D2240 | 1      | 60157682917 | £000.00 |
|                      |               | D1001 | 1      | 60157682923 | £000.00 |
|                      |               | D711  | 1      | 60157682977 | £000.00 |
|                      | MT1<br>12,065 | D2240 | 1      | 60157682918 | £000.00 |
|                      |               | D1001 | 1      | 60157682925 | £000.00 |
|                      |               | D711  | 1      | 60157682981 | £000.00 |
| D6x8<br>(1,3 Carat)  | Z8            | D711  | 1      | 60157682986 | £000.00 |
|                      |               | D301  | 1      | 60157683153 | £000.00 |
|                      | Z10           | D711  | 1      | 60157682990 | £000.00 |
|                      |               | D301  | 1      | 60157683154 | £000.00 |
|                      | Z11,11        | D711  | 1      | 60157682992 | £000.00 |
|                      |               | D301  | 1      | 60157683155 | £000.00 |
|                      | MT1<br>12,065 | D711  | 1      | 60157682996 | £000.00 |
|                      |               | D301  | 1      | 60157683156 | £000.00 |



## DIAMOND DRESSERS

### HAND DRESSER



- High diamond concentration
- Grit 18/25 SPC
- High wear resistance and long product life time
- Suitable for face and side dressing

| SPECIFICATION | PK QTY | ART NO.     | PRICE   |
|---------------|--------|-------------|---------|
| HD-150        | 1      | 60157682852 | £000.00 |



### BRAKE CONTROLLED TRUING DEVICE



- For fast effective truing of diamond and CBN wheels with minimum loss of abrasive
- Ideal for truing diamond and CBN wheel types: straight wheels with diamond in the periphery, tool and cutter grinding wheels, wheels used on surface and cylindrical grinding machines, cut-off wheels and internal grinding wheels and cup wheels with diamonds in the rim, as used on vertical spindle surface grinders

| SPECIFICATION | PK QTY | ART NO.     | PRICE   |
|---------------|--------|-------------|---------|
| BCTD          | 1      | 66260274459 | £000.00 |



### SCREWED SHANKS FOR BLADE TOOL DRESSERS



| DIA (mm) | T (mm) | B (mm) | SPECIFICATION  | PK QTY | ART NO.     | PRICE |
|----------|--------|--------|----------------|--------|-------------|-------|
| 80       | 25     | 13     | Wheel 37C60-NV | 10     | 69936668764 | £0.00 |

### DRESSING STICKS



- High purity white aluminium oxide abrasive
- Friable abrasive
- Ideal for dressing CBN Super Abrasive wheels

| DIA (mm)  | SPECIFICATION | PK QTY | ART NO.     | PRICE   | APPLICATION        |
|-----------|---------------|--------|-------------|---------|--------------------|
|           | 38A 150 HVBE  | 10     | 61463605565 | £000.00 | For SA wheels ≥D54 |
| 13x25x150 | 38A 220 HVBE  | 10     | 61463605066 | £000.00 | -                  |
|           | 38A 320 HVBE  | 10     | 69936684889 | £000.00 | For SA wheels ≤D46 |



Mount the device spindle parallel to the wheel spindle to ensure correct straight face truing  
For cup shaped wheels, the device spindle will be mounted perpendicularly to the wheel spindle  
Use appropriate traverse rates.

# TECHNICAL INFORMATION

## DESIGNATION OF GRIT SIZES

| FEPA<br>MICRONS | US<br>MESH | JIS   | DWMI | DIAMOND | CBN | RA (mm) SURFACE FINISH |              |                   |
|-----------------|------------|-------|------|---------|-----|------------------------|--------------|-------------------|
|                 |            |       |      |         |     | CARBIDE                | STEEL PLUNGE | STEEL OSCILLATING |
| 1181            | 16/18      |       |      |         |     |                        |              |                   |
| 1182            | 16/20      |       |      | 16      |     |                        |              |                   |
| 1001            | 18/20      |       |      |         |     |                        |              |                   |
| 851             | 20/25      |       |      |         |     |                        |              |                   |
| 852             | 20/30      | 20    |      | 24      | 24  |                        |              |                   |
| 711             | 25/30      |       |      |         |     |                        |              |                   |
| 601             | 30/35      |       |      |         |     |                        |              |                   |
| 602             | 30/40      | 30    |      | 36      | 36  |                        |              |                   |
| 501             | 35/40      |       |      |         |     |                        |              |                   |
| 426             | 40/45      |       |      |         |     |                        |              |                   |
| 427             | 40/50      | 40    |      | 46      | 46  |                        |              |                   |
| 356             | 45/50      |       |      |         |     |                        |              |                   |
| 301             | 50/60      | 50    |      | 50      | 50  |                        |              |                   |
|                 | 50/80      |       |      |         |     |                        |              |                   |
| 251             | 60/70      |       |      | 60      | 60  |                        |              |                   |
| 252             | 60/80      | 60    | 60   | 80c     | 80c | 0,6-0,9                |              |                   |
| 213             | 70/80      |       |      | 80      | 80  |                        |              |                   |
| 181             | 80/100     | 80    | 80   | 100     | 100 | 0,4-0,7                | 1,0-1,1      | 0,9-1,1           |
|                 | 80/120     |       |      | 110c    |     |                        |              |                   |
| 151             | 100/120    | 100   | 100  | 110     | 120 |                        | 0,9-1,0      | 0,8-0,9           |
| 126             | 120/140    | 120   | 120  | 120     | 150 | 0,4-0,5                | 0,8-0,9      | 0,6-0,8           |
| 107             | 140/170    | 140   | 150  | 150     | 180 |                        | 0,6-0,8      | 0,5-0,6           |
| 91              | 170/200    | 170   | 180  | 180     | 220 | 0,3-0,4                | 0,5-0,6      | 0,4-0,5           |
| 76              | 200/230    | 200   | 220  | 220     | 230 |                        |              |                   |
| 64              | 230/270    | 230   | 240  | 240     | 240 | 0,2-0,3                | 0,4-0,5      |                   |
| 54              | 270/325    | 270   | 320  | 320     | 320 |                        |              |                   |
| 46              | 325/400    | 325   | 400  | 400     | 400 | 0,1-0,2                |              |                   |
|                 | 400/500    | 400   |      | 500     | 500 |                        |              |                   |
| M63             | 40/60      |       |      |         |     |                        |              |                   |
| M40             | 30/40      | 500   |      | 500     |     |                        |              |                   |
| M25             | 20/30      | 700   |      |         |     |                        |              |                   |
|                 | 15/25      | 800   |      |         |     |                        |              |                   |
| M16             | *10/20*    | 1000  |      | 600     |     |                        |              |                   |
|                 | *8/16*     | 1500  |      |         |     |                        |              |                   |
| M10             | *6/12*     | 2000  |      | 800     |     |                        |              |                   |
| M6,3            | *4/8*      | 2500  |      |         |     |                        |              |                   |
|                 | *3/6*      | 4000  |      |         |     |                        |              |                   |
| M4              | *2/4*      | 5000  |      |         |     |                        |              |                   |
| M1              | *0/2*      | 15000 |      |         |     |                        |              |                   |



## CONCENTRATION

The concentration is defined by a standard and indicates the weight of abrasive (in carats) contained in 1cm<sup>3</sup> of abrasive strip – 1 carat = 0,2 grams.

| CONCENTRATION*   |   |               | NUMBER OF CARATS/cm <sup>3</sup> |   | ABRASIVE WEIGHT PER cm <sup>3</sup> |
|------------------|---|---------------|----------------------------------|---|-------------------------------------|
| DIAMOND ABRASIVE |   | CBN ABRASIVE* |                                  |   |                                     |
| 100              | = | W             | 4,4                              | = | 0,88g/cm <sup>3</sup>               |
| 75               | = | T             | 3,3                              | = | 0,66g/cm <sup>3</sup>               |
| 50               | = | Q             | 2,2                              | = | 0,44g/cm <sup>3</sup>               |

\* Other concentrations available upon request

## SELECTION OF CONCENTRATION

The choice of concentration depends on the machining parameters:

| HIGH CONCENTRATION                           |                   |                   | MEDIUM OR LOW CONCENTRATION      |            |
|----------------------------------------------|-------------------|-------------------|----------------------------------|------------|
| Roughing operations                          |                   |                   | Finishing operation              |            |
| Powerful machine                             |                   |                   | Low power machine                |            |
| Small contact area                           |                   |                   | Large contact area               |            |
| Retention of profile or sharp edges of wheel |                   |                   | Cutting without temperature rise |            |
| OPERATION                                    | INTERNAL GRINDING | EXTERNAL GRINDING | SURFACE GRINDING                 | SHARPENING |
| Diamond                                      | 100               | 75                | 50                               | 50/75      |
| CBN                                          | W                 | T                 | Q                                | Q/T        |



# NORTON

SAINT-GOBAIN®

## DIAMOND TOOLS

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### DIAMOND BLADES

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for Concrete & Reinforced Concrete

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for Universal Building Materials

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# INTRODUCTION

Norton Clipper Diamond Blades are the ultimate abrasive cutting solution in construction and building industries. With a range of products suitable for use on concrete, tile, brick, and asphalt, Norton Clipper offers the best choice for every cutting and drilling application in the building/construction industry.

## UNDERSTANDING THE PRODUCT

- 1 Safety pictograms
- 2 Strong Norton Clipper branding
- 3 Product name
- 4 Product dimensions (mm)
- 5 Machine type
- 6 oSa certified  
The Organisation for Safety of Abrasives
- 7 European safety standard EN13236:2010



## DIFFERENTIATION IN THE RANGE

Norton offers the industry's widest selection of diamond blades to meet every customer requirement. The range is classified into three quality-tiers (best/better/good) to help you choose the right product for your specific application.



### EXTREME

The Norton Clipper Extreme product range offers high performance; fast cutting and long blade life, for heavy usage, to meet the need of the most demanding applications.



### PRO

Norton Clipper Pro is a professional quality range designed for frequent use. The Pro range offers great performance in speed of cut and blade life.



### CLASSIC

Norton Clipper Classic is a range of standard diamond tools for low frequency use, providing a good quality to performance ratio.



++++ INNOVATION

**A PREMIUM CUTTING  
SILENT DIAMOND BLADE**



## DIAMOND BLADES FOR CONCRETE & REINFORCED CONCRETE

Reinforced concrete, cured concrete, kerb stones, concrete pipes, engineering bricks, facing bricks, refractory bricks, flagstones and paving stones, block paving, washed gravel concrete slabs, natural stone, flint, sandstone, limestone.

## EXTREME BETON SILENCIO

Residential areas, city centres, schools and hospitals are especially sensitive to noise, with local regulations preventing excessive noise levels. With up to 17mm high segments and a bespoke specification for each application, Norton Silencio is our quietest diamond blade, reducing noise by up to 20x (-13 dB) compared to conventional blades when used on concrete, reinforced concrete, granite and building materials, while achieving a fast, efficient cut.

- A noise dampening layer is sandwiched between two sheets of steel which absorbs the cutting vibrations and sound of the product when in use
- Each blade is fine-tuned to provide the best possible noise reduction and cutting performance on a particular machine application.
- Patented 'off-set gullets' prevent whistling air flow around the diamond blade



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 230      | 22,23     | 17/2,8           | 1      | 70184601168 | £000.00 |
|          | 300      | 20        | 15/3,2           | 1      | 70184629000 | £000.00 |
|          | 300      | 25,4      | 15/3,2           | 1      | 70184642421 | £000.00 |
|          | 350      | 25,4      | 15/3,2           | 1      | 70184628999 | £000.00 |
|          | 350      | 25,4      | 15/3,2           | 1      | 70184628997 | £000.00 |
|          | 450      | 25,4      | 15/3,2           | 1      | 70184631020 | £000.00 |
|          | 500      | 25,4      | 15/3,2           | 1      | 70184630416 | £000.00 |







## DIAMOND BLADES FOR UNIVERSAL BUILDING MATERIALS

Cured concrete, kerbs, concrete pipes, bricks, block paving, flagstones and paving stones, washed gravel concrete slabs, natural stone, sandstone, limestone, flint.

### PRODUCT SELECTION GUIDE

Highly Recommended ●  
Recommended ◐



| MATERIALS             | EXTREME<br>UNIVERSAL<br>SILENCIO | EXTREME<br>UNIVERSAL<br>TURBO | EXTREME<br>UNIVERSAL<br>LASER | PRO<br>UNIVERSAL<br>TURBO | PRO<br>UNIVERSAL<br>TP | PRO<br>UNIVERSAL<br>LASER | CLASSIC<br>UNIVERSAL<br>TURBO | CLASSIC<br>UNIVERSAL<br>LASER | CLASSIC<br>UNIVERSAL |
|-----------------------|----------------------------------|-------------------------------|-------------------------------|---------------------------|------------------------|---------------------------|-------------------------------|-------------------------------|----------------------|
|                       | +++++                            | +++++                         | +++++                         | ++++                      | ++++                   | ++++                      | +++                           | +++                           | +++                  |
| Steel                 |                                  |                               |                               |                           |                        |                           |                               |                               |                      |
| Granite               | ●                                | ●                             | ◐                             |                           |                        |                           |                               |                               |                      |
| Engineering bricks    | ●                                | ●                             | ◐                             | ●                         |                        | ◐                         |                               |                               |                      |
| Cured concrete        | ●                                | ●                             | ●                             | ◐                         |                        | ●                         | ◐                             | ●                             | ◐                    |
| Clay/pipes/paviors    | ●                                | ●                             | ◐                             | ●                         |                        |                           |                               |                               |                      |
| Quarry tiles          |                                  | ◐                             | ◐                             |                           |                        |                           |                               |                               |                      |
| Marble                | ◐                                | ●                             | ◐                             | ●                         |                        |                           |                               |                               |                      |
| Hard paviors          | ●                                | ●                             | ◐                             | ●                         |                        | ●                         | ◐                             | ●                             | ◐                    |
| Clay roof tiles       | ◐                                | ●                             | ◐                             | ●                         |                        | ◐                         | ◐                             | ◐                             | ◐                    |
| Terrazo               |                                  | ◐                             | ◐                             |                           |                        |                           |                               |                               |                      |
| Facing bricks         | ●                                | ●                             | ●                             | ●                         |                        | ●                         | ◐                             | ◐                             | ◐                    |
| Reinforced concrete   | ●                                | ◐                             | ●                             | ◐                         |                        | ●                         | ◐                             | ●                             | ◐                    |
| Concrete paving slabs | ●                                | ●                             | ◐                             | ◐                         |                        | ●                         | ◐                             | ●                             | ◐                    |
| Concrete pipes/kerbs  | ●                                | ●                             | ●                             | ●                         |                        | ●                         | ◐                             | ●                             | ◐                    |
| Slate                 |                                  | ●                             | ●                             | ●                         |                        |                           |                               |                               |                      |
| Limestone concrete    | ●                                | ◐                             | ●                             | ◐                         |                        | ●                         | ◐                             | ◐                             | ◐                    |
| Medium block paviors  | ●                                | ●                             | ●                             | ◐                         |                        | ●                         | ◐                             | ●                             | ◐                    |
| Concrete roof tiles   | ◐                                | ●                             | ●                             | ●                         |                        | ●                         | ◐                             | ●                             | ◐                    |
| Sandstone             | ●                                |                               | ◐                             |                           |                        |                           |                               |                               |                      |
| Asphalt over concrete |                                  |                               |                               |                           |                        |                           |                               |                               |                      |
| Breeze blocks         |                                  |                               |                               |                           |                        | ●                         |                               |                               |                      |
| Tarmac top blocks     |                                  |                               |                               |                           |                        |                           |                               |                               |                      |
| Mortar jointing       |                                  |                               |                               |                           | ●                      |                           |                               |                               |                      |
| Asphalt               |                                  |                               |                               |                           |                        |                           |                               |                               |                      |





+++++ INNOVATION

**A PREMIUM CUTTING  
SILENT DIAMOND BLADE**



## EXTREME UNIVERSAL SILENCIO

Residential areas, city centres, schools and hospitals are especially sensitive to noise, with local regulations preventing excessive noise levels. With up to 15mm high segments and a bespoke specification for each application, Norton Silencio is our quietest diamond blade, reducing noise by up to 30x (-15 dB) compared to conventional blades when used on concrete, granite and building materials, while achieving a fast, efficient cut.

- A noise dampening layer is sandwiched between two sheets of steel which absorbs the cutting vibrations and sound of the product when in use
- Each blade is fine-tuned to provide the best possible noise reduction and cutting performance on a particular machine application.
- Patented 'off-set gullets' prevent whistling air flow around the diamond blade



**LASER**



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 300      | 25,4      | 15/2,8           | 1      | 70184640269 | £000.00 |
|          | 350      | 25,4      | 15/2,8           | 1      | 70184628998 | £000.00 |
|          | 400      | 25,4      | 15/3,1           | 1      | 70184640270 | £000.00 |
|          | 500      | 25,4      | 15/3,2           | 1      | 70184630309 | £000.00 |



**WATCH THE  
NORTON  
SILENCIO BS  
IN ACTION!**

## DIAMOND BLADES FOR UNIVERSAL BUILDING MATERIALS

### EXTREME UNIVERSAL TURBO **+++++**

- 12mm impregnated diamond segments provide very long life
- Arrow shaped inserts on the blade protect the steel core for reduced blade wear, as well as indicating the correct direction for rotation.
- The ventilated waved steel centre reduces heat which aids blade rigidity during dry cutting
- The corrugated continuous rim enables smooth, high quality cutting and ease of use. It also cuts more aggressively on hard materials.
- Ideal for use on a very wide range of medium to hard construction materials, block pavements, granite, natural stone, roof tiles and hard tiles.



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 12/1,8           | 1      | 70184623598 | £000.00 |
|          | 125      | 22,23     | 12/2,0           | 1      | 70184623599 | £000.00 |
|          | 230      | 22,23     | 12/2,8           | 1      | 70184623180 | £000.00 |



### EXTREME UNIVERSAL LASER **+++++**

- Up to 15mm high segments provide long life and fast cut on all building materials
- The DUO segments provide high cutting speed, improved comfort and low vibration levels
- Arrow shaped gullet slots quickly remove debris from the blade surface and indicates the rotational direction
- 'DUO' shaped cut reduces heat and cools the blade core
- Laser welded segments ensure optimum safety against segment loss



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 300*     | 30/25,4   | 15/2,8           | 1      | 70184612282 | £000.00 |
|          | 350*     | 30/25,4   | 15/2,8           | 1      | 70184612283 | £000.00 |
|          | 400      | 25,4      | 10/3,2           | 1      | 70184611438 | £000.00 |



\*Special Duo shaped segments and Duo laser cuts for 300mm & 350mm diameter blades only

### PRO UNIVERSAL TURBO **++++**

- 12mm high continuous rim blade
- Ideal for universal use on general materials and stone.
- Reinforcement flanges around the bore ensure rigidity and straight cutting under the most demanding conditions.
- Use dry or wet



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 12/2,1           | 1      | 70184610314 | £000.00 |
|          | 125      | 22,23     | 12/2,1           | 1      | 70184610315 | £000.00 |
|          | 180      | 22,23     | 12/2,1           | 1      | 70184610317 | £000.00 |
|          | 230      | 22,23     | 12/2,1           | 1      | 70184610267 | £000.00 |



## PRO UNIVERSAL TP **++++**

- Segments with different thicknesses for a number of different mortar joints.
- The hard-metal protection inserts prevent under-cutting of the steel-centre and contributes to longer product life.
- For the removal of mortar joints between bricks, natural stone blocks or facing bricks.
- Removes mortar 2x faster than a standard blade



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 6,5/4,5          | 1      | 70184610712 | £000.00 |
|          | 115      | 22,23     | 6,5/6,5          | 1      | 70184610305 | £000.00 |
|          | 125      | 22,23     | 6,5/4,5          | 1      | 70184610713 | £000.00 |
|          | 125      | 22,23     | 6,5/6,5          | 1      | 70184610307 | £000.00 |
|          | 125      | 22,23     | 6,5/8,0          | 1      | 70184610716 | £000.00 |



## PRO UNIVERSAL LASER **++++**

- Fast cutting
- Use dry or wet cutting on masonry saws
- For use on concrete slabs and general purpose building materials



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 10/2,2           | 1      | 70184624738 | £000.00 |
|          | 125      | 22,23     | 10/2,2           | 1      | 70184624739 | £000.00 |
|          | 180      | 22,23     | 10/2,5           | 1      | 70184625563 | £000.00 |
|          | 230*     | 22,23     | 10/2,5           | 1      | 70184611396 | £000.00 |

\*Diamond shaped holes only on 230mm



## CLASSIC UNIVERSAL TURBO **+++**

- An economical solution
- Continuous rimmed blade
- Use dry or wet



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 10/2,2           | 1      | 70184626814 | £000.00 |
|          | 125      | 22,23     | 10/2,2           | 1      | 70184626815 | £000.00 |
|          | 180      | 22,23     | 10/2,4           | 1      | 70184626816 | £000.00 |
|          | 230      | 22,23     | 10/2,6           | 1      | 70184626818 | £000.00 |



## DIAMOND BLADES FOR UNIVERSAL BUILDING MATERIALS

### CLASSIC UNIVERSAL LASER **+++**

- An economical blade choice for dry or wet cutting on masonry saws.
- For use on construction materials and lightweight blocks, Poroton, Kalksandstein.



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 7/2,2            | 1      | 70184626834 | £000.00 |
|          | 125      | 22,23     | 7/2,2            | 1      | 70184626835 | £000.00 |
|          | 180      | 22,23     | 7/2,5            | 1      | 70184626837 | £000.00 |
|          | 230      | 22,23     | 10/2,5           | 1      | 70184626838 | £000.00 |



### CLASSIC UNIVERSAL **+++**

- An economical solution
- Sintered blade
- Use dry or wet



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 10/1,8           | 1      | 70184626806 | £000.00 |
|          | 125      | 22,23     | 10/1,8           | 1      | 70184626807 | £000.00 |
|          | 180      | 22,23     | 10/2,2           | 1      | 70184626809 | £000.00 |
|          | 230      | 22,23     | 10/2,4           | 1      | 70184626810 | £000.00 |







## DIAMOND BLADES FOR MULTI MATERIALS

Multi-purpose blades for cutting concrete, reinforced concrete, roof tiles, pavements, blocks, granite, natural stone, asphalt, breeze blocks, sandstone and gridstone.

### PRODUCT SELECTION GUIDE

Highly Recommended ●  
Recommended ◐



| MATERIALS                         | PRO<br>4x4<br>EXPLORER | DIALAST |
|-----------------------------------|------------------------|---------|
|                                   | ++++                   | +++++   |
| Steel                             | ●                      |         |
| Granite                           | ●                      |         |
| Engineering bricks                |                        |         |
| Cured concrete                    |                        |         |
| Clay / pipes / paviers            |                        |         |
| Quarry tiles                      | ●                      |         |
| Marble                            | ◐                      |         |
| Hard paviers                      |                        |         |
| Clay roof tiles                   |                        |         |
| Terrazo                           | ●                      |         |
| Facing bricks                     | ◐                      |         |
| Reinforced concrete               |                        |         |
| Concrete paving slabs             |                        |         |
| Concrete pipes / kerbs            | ●                      |         |
| Slate                             | ●                      |         |
| Foundry gates / risers            |                        | ●       |
| Plastic tube & pipes              |                        | ●       |
| Composite and fibre tubes         |                        | ●       |
| Ductile iron                      |                        | ●       |
| Metal Sheet and steel bar / rebar |                        | ◐       |
| Metal studs                       |                        | ◐       |
| Angle Iron                        |                        | ◐       |



# 4 EXPLORER 4

++++

**FASTER CUTTING, LONGER LIFE, IMPROVED SAFETY & GREATER COMFORT**



## PRO 4X4 EXPLORER

The Pro 4x4 Explorer range is even better than before. Faster cutting, longer life, improved safety and greater comfort when used on any material are all additional benefits of this manufacturing process.

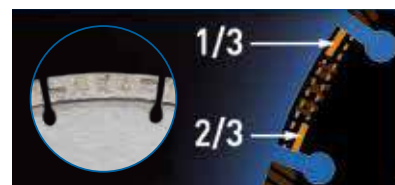
- Multipurpose blade cuts all materials
- Up to 12mm segment height for more cuts per wheel
- Trapezoid shaped segments give a comfortable, smoother cut with lower vibration levels
- Patented cut depth indicator allows better visibility of cut depth when in use
- Keep track of segment wear with the specially engraved wear indicator
- Patented drop shaped gullets prevents fatigue cracks even when cutting thick metal



## APPLICATIONS

- Reinforced concrete
- Concrete lintels
- Limestone concrete
- Concrete roof tiles
- Pavements and blocks
- Granite & natural stones
- Asphalt
- Asphalt over concrete
- Breeze blocks
- Gridstone
- Sandstone
- Steel parts up to 5mm thick

| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 10/2,2           | 1      | 70184602018 | £000.00 |
|          | 125      | 22,23     | 10/2,2           | 1      | 70184602019 | £000.00 |
|          | 180      | 22,23     | 10/2,5           | 1      | 70184602020 | £000.00 |
|          | 230      | 22,23     | 12/2,5           | 1      | 70184602021 | £000.00 |
|          | 300      | 20        | 12/3,0           | 1      | 70184602022 | £000.00 |
|          | 300      | 25,4      | 12/3,0           | 1      | 70184602023 | £000.00 |
|          | 350      | 20        | 12/3,2           | 1      | 70184602091 | £000.00 |
|          | 350      | 25,4      | 12/3,2           | 1      | 70184602093 | £000.00 |
|          | 400      | 25,4      | 12/3,2           | 1      | 70184602095 | £000.00 |
|          | 400      | 20        | 12/3,2           | 1      | 70184602094 | £000.00 |
|          | 450      | 25,4      | 12/3,2           | 1      | 70184602096 | £000.00 |



Segment wear indicator



Patented cutting depth indicator

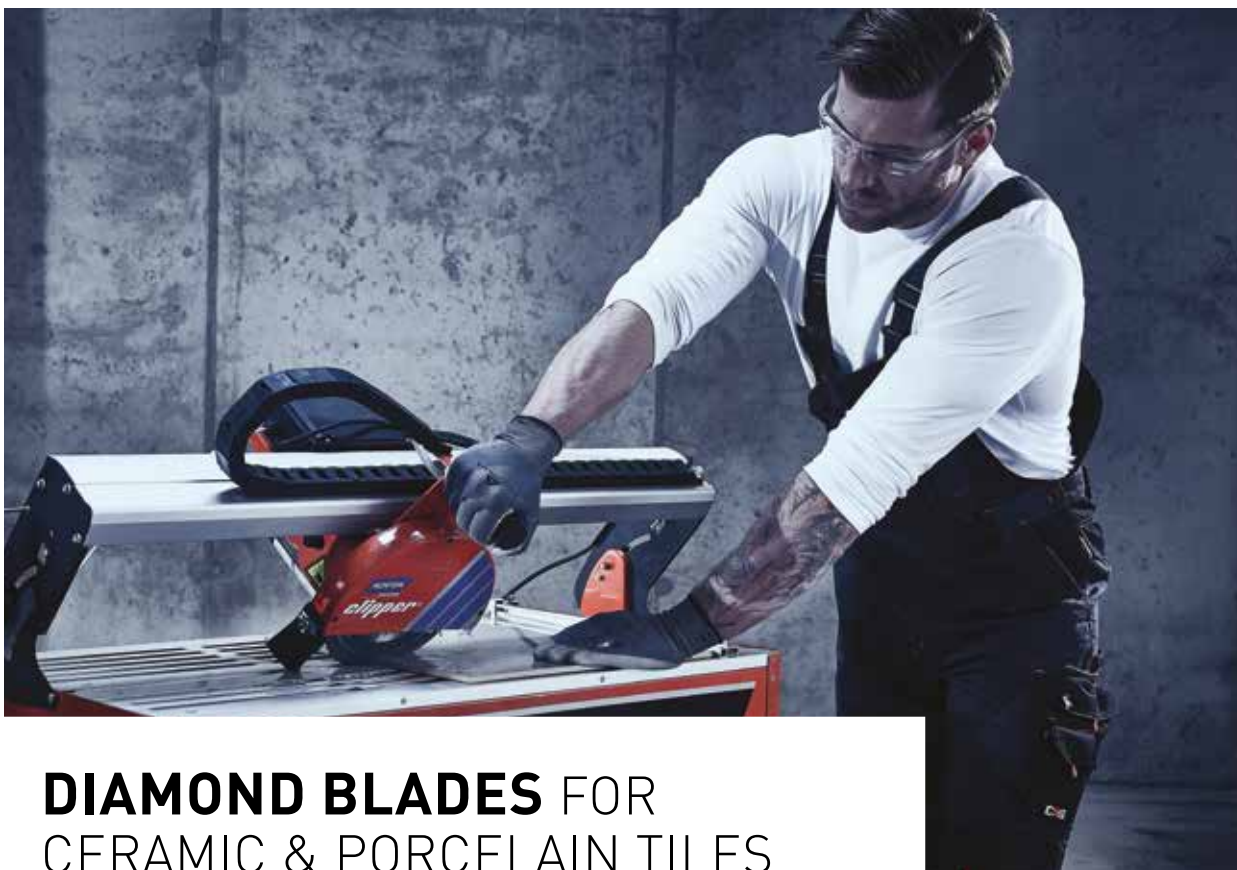
# DIALAST **+++++**

- The DiaLast™ Chop Saw cut-off wheel is available in 350x25.4mm for use at 5,400 RPM's, the steel core provides additional stability against abuse and fractures found with conventional abrasive wheels
- The unique gullet design and laser cut core dampens cutting noise when in use, ideal for cutting indoors and out
- For cutting foundry gates or risers, sheet metal, pipes, round or sectional tubing, steel bars, rebars, angled iron, ductile iron and metal studs, longer life than conventional chop saw blades depending on the application
- Extended diamond and tool life results in less blade changes for lower labour cost and downtime



| MACHINES                                                                                                                                                            | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|------------------|--------|-------------|---------|
|   | 350      | 25,4      | 10/50            | 1      | 70184602083 | £000.00 |





## DIAMOND BLADES FOR CERAMIC & PORCELAIN TILES

Ceramic and porcelain tiles, vitrified reconstituted stone, glass, textured glass, glazed ceramic tiles, granite, marble, slate & hard natural stone.

### PRODUCT SELECTION GUIDE

Highly recommended ●  
Recommended ◐



| MATERIALS             | EXTREME CERAMIC TURBO | PRO CERAMIC | CLASSIC CERAMIC |
|-----------------------|-----------------------|-------------|-----------------|
|                       | +++++                 | ++++        | +++             |
| Steel                 |                       |             |                 |
| Granite               | ●                     | ◐           |                 |
| Engineering bricks    |                       |             |                 |
| Cured concrete        |                       |             |                 |
| Clay/pipes/paviors    |                       | ◐           |                 |
| Quarry tiles          | ●                     | ◐           | ◐               |
| Marble                | ◐                     | ●           | ◐               |
| Hard paviors          |                       |             |                 |
| Clay roof tiles       |                       |             |                 |
| Terrazo               | ●                     | ●           |                 |
| Facing bricks         | ◐                     |             |                 |
| Reinforced concrete   |                       |             |                 |
| Concrete paving slabs |                       |             |                 |
| Concrete pipes/kerbs  | ●                     |             |                 |
| Slate                 | ●                     | ●           | ◐               |





# clipper®

++++ INNOVATION

**QUALITY CUTTING OF  
HARD CERAMIC TILES**



## EXTREME CERAMIC TURBO

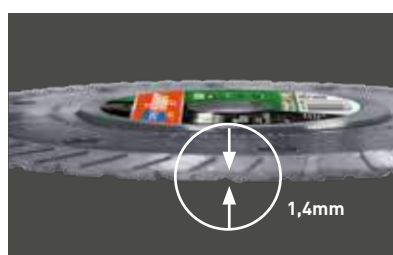
- This 10mm high continuous rim blade is the perfect choice for a high quality cut.
- Premium diamond grade and free cutting metal bond make this blade perfect for cutting even the hardest tiles
- 1,4mm thickness for fast cutting and reduced material wastage
- The reinforced flange on the steel centre helps to keep the blade straight without causing damage to the tile
- For use on angle grinders, rail tile and masonry saws
- Can be used on porcelain, ceramic, vitreous, marble, terracota, granite, slate, reconstituted stone, floor and wall tiles.



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 115      | 22,23     | 10/1,4           | 1      | 70184644759 | £000.00 |
|          | 125      | 22,23     | 10/1,4           | 1      | 70184644760 | £000.00 |
|          | 200      | 25,4      | 10/1,4           | 1      | 70184625427 | £000.00 |
|          | 230      | 22,23     | 10/1,4           | 1      | 70184621973 | £000.00 |
|          | 250      | 25,4      | 10/1,6           | 1      | 70184625428 | £000.00 |
|          | 300      | 25,4      | 10/1,9           | 1      | 70184625429 | £000.00 |



10mm high diamond rim



1,4mm thick blade



Fast cutting continuous rim

## DIAMOND BLADES FOR CERAMIC & PORCELAIN TILES

### PRO CERAMIC ++++

- Good value for money continuous diamond rim
- Can be used for dry or wet cutting.
- For use on ceramics, granite, marble, slate, quarry tiles.



| MACHINES                     | DIA (mm) | BORE (mm)  | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|------------------------------|----------|------------|------------------|--------|-------------|---------|
| <i>Wet &amp; dry cutting</i> |          |            |                  |        |             |         |
|                              | 115      | 22,23      | 9/1,6            | 1      | 70184625942 | £000.00 |
|                              | 125      | 22,23      | 9/1,6            | 1      | 70184625940 | £000.00 |
|                              | 230      | 22,23      | 9/2,2            | 1      | 70184625946 | £000.00 |
| <i>Wet cutting only</i>      |          |            |                  |        |             |         |
|                              | 180      | 25,4/22,23 | 9/1,6            | 1      | 70184625561 | £000.00 |
|                              | 200      | 25,4       | 9/1,6            | 1      | 70184625093 | £000.00 |
|                              | 230      | 25,4       | 9/1,6            | 1      | 70184625096 | £000.00 |
|                              | 250      | 25,4       | 9/1,6            | 1      | 70184625097 | £000.00 |
|                              | 300      | 25,4       | 9,5/2,0          | 1      | 70184625098 | £000.00 |
|                              | 350      | 25,4       | 9,5/2,0          | 1      | 70184625100 | £000.00 |



### CLASSIC CERAMIC +++

- Value for money continuous rimmed diamond blade
- Dry or wet cutting of medium hard tiles and ceramic tiles.



| MACHINES | DIA (mm) | BORE (mm)  | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|------------|------------------|--------|-------------|---------|
|          | 115      | 22,23      | 7/1,6            | 1      | 70184626825 | £000.00 |
|          | 125      | 22,23      | 7/1,6            | 1      | 70184626826 | £000.00 |
|          | 180      | 25,4/22,23 | 7/1,7            | 1      | 70184626828 | £000.00 |
|          | 200      | 30/25,4    | 7/1,7            | 1      | 70184626829 | £000.00 |
|          | 230      | 22,23      | 7/1,8            | 1      | 70184626830 | £000.00 |







## DIAMOND BLADES FOR ASPHALT & ABRASIVE MATERIALS

Asphalt, Asphalt over concrete, green concrete, bitumen, cement joints, breeze blocks, Lignacite blocks

### PRO ASPHALT ++++

- 12mm high continuous rim blade
- Ideal for universal use on general materials and stone.
- Reinforcement flanges around the bore ensure rigidity and straight cutting under the most demanding conditions.
- Use dry or wet



| MACHINES | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------|------------------|--------|-------------|---------|
|          | 300      | 25,4      | 10/2,8           | 1      | 70184623184 | £000.00 |
|          | 350      | 25,4      | 10/3,2           | 1      | 70184623186 | £000.00 |



### QUICK FIX

The system allows for blades bore to be adjusted to fit machines with different arbor/shaft diameters. There are 2 versions, the first allows a blade with a 25,4mm bore to be fitted to a machine with a 22,23mm arbor/shaft. The second allows a blade with either a 25,4mm or 22,23mm bore to be mounted on a machine with a 20mm arbor/shaft.

The system complies with the requirements of European Standard EN 13236.

| MACHINES | BORE OF BLADE (mm) | BORE OF MACHINE (mm) | ART NO.     | PRICE   |
|----------|--------------------|----------------------|-------------|---------|
|          | 22,23              | 10/2,2               | 70184623894 | £000.00 |
|          | 20                 | 10/2,2               | 70184622589 | £000.00 |





# clipper®

+++++ INNOVATION

**THE ULTIMATE SURFACE GRINDING PERFORMANCE**



## CUP GRINDERS FOR CONCRETE & BUILDING MATERIALS

Now with i-HD™ technology, Norton Clipper Extreme Cup Grinders provide the ultimate surface grinding performance.

### EXTREME CG +++++ INNOVATION

- i-HD segments provide the best finish, high material removal rates and longest life thanks to the uniform density of diamonds across each whole segment
- The unique large segment design enables faster grinding of large surfaces
- Low vibrations provide better comfort during use
- Large ventilation holes mean better cooling and less heat generation
- Flat 125mm cup grinder is suitable for use on all vacuum grinders
- For use on building materials, concrete, natural stone and abrasive materials
- For tilers, general builders, concrete flooring contractors, swimming pool installers.



| MACHINES | DIA (mm) | CUP HEIGHT (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------------|-----------|------------------|--------|-------------|---------|
|          | 100      | 19              | 22,23     | 4,5              | 1      | 70184694991 | €000.00 |
|          | 125      | 24              | 22,23     | 4,5              | 1      | 70184694993 | €000.00 |
|          | 180      | 29              | 22,23     | 4,5              | 1      | 70184694994 | €000.00 |
|          | 125 FLAT | 19              | 22,23     | 4,5              | 1      | 70184694992 | €000.00 |



See page 09 for more information on merchandising displays

## PRO CG **++++**

- High material removal rate
- Low vibration for better comfort when in use
- i-HD manufacturing technology ensures long life and a good standard of finishing
- For surfacing and grinding medium hardness construction and building materials (concrete, reinforced concrete, natural stone).



| MACHINES | DIA (mm) | CUP HEIGHT (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------------|-----------|------------------|--------|-------------|---------|
|          | 100      | 19              | 22,23     | 4,5              | 1      | 70184694988 | £000.00 |
|          | 125      | 24              | 22,23     | 4,5              | 1      | 70184694989 | £000.00 |
|          | 180      | 29              | 22,23     | 4,5              | 1      | 70184694990 | £000.00 |



## CLASSIC CG **+++**

- An economical solution
- For surfacing and grinding hard construction and building materials (concrete, reinforced concrete, natural stone).
- Smaller segments have excellent performance on hard materials
- Flat sides avoid damaging walls or ceilings during flush grinding



| MACHINES | DIA (mm) | CUP HEIGHT (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|-----------------|-----------|------------------|--------|-------------|---------|
|          | 100      | 19              | 22,23     | 4,5              | 1      | 70184694995 | £000.00 |
|          | 125      | 24              | 22,23     | 4,5              | 1      | 70184694996 | £000.00 |
|          | 180      | 29              | 22,23     | 4,5              | 1      | 70184601079 | £000.00 |





## CUP GRINDERS FOR CONCRETE & BUILDING MATERIALS

### PRO CG-PCD LOW VIBRATION

- Designed for the fast removal of glue, epoxy resins & paint
- The embedded anti-vibration system provides comfort during use
- Use a concrete cup wheel after using PCD wheels to ensure a great finish.



H = 18mm



| MACHINES                                                                          | DIA (mm) | CUP HEIGHT (mm) | BORE (mm) | PCD ELEMENTS | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|-----------------|-----------|--------------|--------|-------------|---------|
|  | 125      | 18              | 22,23     | 12pcs        | 1      | 70184645886 | £000.00 |

### CLASSIC CG-PCD

- Cost-effective PolyCrystalline Diamond (PCD) cup wheel
- Designed for the fast removal of glue, epoxy resins & paint
- Use a concrete cup wheel after using PCD wheels to ensure a great finish.



H = 19mm



| MACHINES                                                                            | DIA (mm) | CUP HEIGHT (mm) | BORE (mm) | PCD ELEMENTS | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|-----------------|-----------|--------------|--------|-------------|---------|
|  | 125      | 19              | 22,23     | 12pcs        | 1      | 70184693445 | £000.00 |

### EXTREME CUT' N GRIND

- Multi-purpose tool for cutting and grinding of building materials
- i-HD™ technology offers longer life, a faster cut and a unique design
- Can be used for the same applications as diamond blades and diamond cup grinders
- Equipped with an aluminium flange in connection M14 for offset cutting and grinding.



| MACHINES                                                                            | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|-----------|------------------|--------|-------------|---------|
|  | 125      | M14       | 25 / 3,9         | 1      | 70184602036 | £000.00 |

### PRO CUT' N GRIND

- Sintered Turbo shape, for fast material removal and good finishing quality in cutting and grinding
- Equipped with an aluminium flange in connection M14 for offset cutting and grinding
- Can be used for the same applications as diamond blades and diamond cup grinders
- For use on concrete, washed concrete, blocks, ductile iron and natural stones.



| MACHINES                                                                            | DIA (mm) | BORE (mm) | SEGMENT H/W (mm) | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|-----------|------------------|--------|-------------|---------|
|  | 100      | M14       | 25 / 3,9         | 1      | 70184641171 | £000.00 |
|  | 125      | M14       | 25 / 3,9         | 1      | 70184641172 | £000.00 |



## DRILLING CORE BITS FOR CONCRETE

Reinforced concrete, cured concrete, kerb stones, concrete pipes, engineering bricks, facing bricks, refractory bricks, flagstones and paving stones, block paving, washed gravel concrete slabs, natural stone, flint, sandstone, limestone.

### PRO CB BETON CROWNED **++++**

- Useful length: 300mm.
- Connection: ½" Male thread.
- Applications: for concrete and masonry walls.
- Professional crownbit for small diameters wet-drilling jobs.
- Brazed crownbit for wet-drilling.



| MACHINES | DIA (mm) | USEFUL LENGTH (mm) | SEGMENT HEIGHT (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|--------------------|---------------------|--------|-------------|---------|
|          | 14       | 300                | 10                  | 1      | 70184612947 | £000.00 |
|          | 18       | 300                | 10                  | 1      | 70184612824 | £000.00 |
|          | 22       | 300                | 10                  | 1      | 70184612826 | £000.00 |
|          | 25       | 300                | 10                  | 1      | 70184612827 | £000.00 |
|          | 28       | 300                | 10                  | 1      | 70184612828 | £000.00 |
|          | 30       | 300                | 10                  | 1      | 70184612829 | £000.00 |
|          | 32       | 300                | 10                  | 1      | 70184612830 | £000.00 |
|          | 35       | 300                | 10                  | 1      | 70184612831 | £000.00 |
|          | 40       | 300                | 10                  | 1      | 70184612834 | £000.00 |
|          | 51       | 300                | 10                  | 1      | 70184612835 | £000.00 |





## DRILLING CORE BITS FOR CONCRETE

### PRO CB BETON SEGMENTED

- Useful length: 450mm.
- Connection: 1 1/4" UNC female thread.
- Applications: concrete and reinforced concrete, masonry blocks. Also suitable for asphalt & abrasive materials.
- Core drills with laser welded segments for wet drilling. The special tapered-shape segments allow for an easier start of the drill.



| MACHINES                                                                            | DIA (mm) | USEFUL LENGTH (mm) | SEGMENT HEIGHT (mm) | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|--------------------|---------------------|--------|-------------|---------|
|    | 52       | 450                | 10                  | 1      | 70184624870 | £000.00 |
|    | 62       | 450                | 10                  | 1      | 70184624872 | £000.00 |
|    | 72       | 450                | 10                  | 1      | 70184624874 | £000.00 |
|    | 82       | 450                | 10                  | 1      | 70184624876 | £000.00 |
|    | 102      | 450                | 10                  | 1      | 70184624880 | £000.00 |
|    | 107      | 450                | 10                  | 1      | 70184624881 | £000.00 |
|    | 112      | 450                | 10                  | 1      | 70184624882 | £000.00 |
|    | 122      | 450                | 10                  | 1      | 70184624883 | £000.00 |
|   | 127      | 450                | 10                  | 1      | 70184624884 | £000.00 |
|  | 132      | 450                | 10                  | 1      | 70184624885 | £000.00 |
|  | 152      | 450                | 10                  | 1      | 70184624887 | £000.00 |
|  | 162      | 450                | 10                  | 1      | 70184624888 | £000.00 |
|  | 182      | 450                | 10                  | 1      | 70184624890 | £000.00 |
|  | 202      | 450                | 10                  | 1      | 70184624892 | £000.00 |
|  | 252      | 450                | 10                  | 1      | 70184624895 | £000.00 |
|  | 300      | 450                | 10                  | 1      | 70184624897 | £000.00 |



### CLASSIC CB BETON

- Useful length: 450mm.
- Connection: 1 1/4" UNC female thread.
- Applications: for concrete and masonry walls.
- Core drill with brazed segments.
- Good value for money.



| MACHINES                                                                            | DIA (mm) | USEFUL LENGTH (mm) | SEGMENT HEIGHT (mm) | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|--------------------|---------------------|--------|-------------|---------|
|  | 51       | 450                | 10                  | 1      | 70184613201 | £000.00 |
|  | 56       | 450                | 10                  | 1      | 70184613202 | £000.00 |
|  | 61       | 450                | 10                  | 1      | 70184613203 | £000.00 |
|  | 66       | 450                | 10                  | 1      | 70184613204 | £000.00 |
|  | 71       | 450                | 10                  | 1      | 70184613205 | £000.00 |
|  | 76       | 450                | 10                  | 1      | 70184613206 | £000.00 |
|  | 81       | 450                | 10                  | 1      | 70184613207 | £000.00 |
|  | 86       | 450                | 10                  | 1      | 70184613208 | £000.00 |
|  | 91       | 450                | 10                  | 1      | 70184613209 | £000.00 |
|  | 101      | 450                | 10                  | 1      | 70184613210 | £000.00 |



| MACHINES                                                                          | DIA (mm) | USEFUL LENGTH (mm) | SEGMENT HEIGHT (mm) | PK QTY | ART NO.      | PRICE   |
|-----------------------------------------------------------------------------------|----------|--------------------|---------------------|--------|--------------|---------|
|  | 106      | 450                | 10                  | 1      | 70184613211  | £000.00 |
|  | 111      | 450                | 10                  | 1      | 70184613212  | £000.00 |
|  | 121      | 450                | 10                  | 1      | 70184613213  | £000.00 |
|  | 126      | 450                | 10                  | 1      | 70184613214  | £000.00 |
|  | 131      | 450                | 10                  | 1      | 70184613215  | £000.00 |
|  | 141      | 450                | 10                  | 1      | 70184613216  | £000.00 |
|  | 151      | 450                | 10                  | 1      | 70184613217  | £000.00 |
|  | 161      | 450                | 10                  | 1      | 70184613218  | £000.00 |
|  | 171      | 450                | 10                  | 1      | 70184613219  | £000.00 |
|  | 181      | 450                | 10                  | 1      | 70184613220  | £000.00 |
|  | 191      | 450                | 10                  | 1      | 70184613221* | £000.00 |
|  | 201      | 450                | 10                  | 1      | 70184613222  | £000.00 |
|  | 211      | 450                | 10                  | 1      | 70184613223  | £000.00 |
|  | 225      | 450                | 10                  | 1      | 70184613252  | £000.00 |
|  | 251      | 450                | 10                  | 1      | 70184613224  | £000.00 |
|  | 271      | 450                | 10                  | 1      | 70184613253  | £000.00 |
|  | 300      | 450                | 10                  | 1      | 70184613225  | £000.00 |

Dimensions Key: DIA = Diameter





## DRILLING CORE BITS FOR UNIVERSAL BUILDING MATERIALS

For masonry and light building material on hand held machines.  
For plumbers and electricians.

### EXTREME CB UNIVERSAL **+++++**

- Useful length: 150mm
- Connection: M16 female thread
- New swirled core for reduced friction and improved dust removal
- For dry-drilling of non-reinforced masonry walls, poroton, concrete blocks and abrasive materials



| MACHINES | DIA (mm) | USEFUL LENGTH (mm) | SEGMENT HEIGHT (mm) | PK QTY | ART NO.     | PRICE   |
|----------|----------|--------------------|---------------------|--------|-------------|---------|
|          | 52       | 150                | 7                   | 1      | 70184601792 | £000.00 |
|          | 65       | 150                | 7                   | 1      | 70184601793 | £000.00 |
|          | 82       | 150                | 7                   | 1      | 70184601794 | £000.00 |
|          | 91       | 150                | 7                   | 1      | 70184601874 | £000.00 |
|          | 102      | 150                | 7                   | 1      | 70184601795 | £000.00 |
|          | 107      | 150                | 7                   | 1      | 70184601796 | £000.00 |
|          | 117      | 150                | 7                   | 1      | 70184601797 | £000.00 |
|          | 127      | 150                | 7                   | 1      | 70184601798 | £000.00 |
|          | 152      | 150                | 7                   | 1      | 70184601799 | £000.00 |
|          | 162      | 150                | 7                   | 1      | 70184601800 | £000.00 |
|          | 202      | 150                | 7                   | 1      | 70184601875 | £000.00 |

Dimensions Key: DIA = Diameter



## PRO CB UNIVERSAL

- Useful length: 150mm
- Connection: ½" BSP Female
- High performance dry core bit
- Faster drilling speed than Classic CB Universal range (formerly Arid 5)



| MACHINES                                                                           | DIA (mm) | USEFUL LENGTH (mm) | SEGMENT HEIGHT (mm) | PK QTY | ART NO.     | PRICE   |
|------------------------------------------------------------------------------------|----------|--------------------|---------------------|--------|-------------|---------|
|   | 38       | 150                | 7                   | 1      | 70184640160 | £000.00 |
|   | 48       | 150                | 7                   | 1      | 70184694047 | £000.00 |
|   | 52       | 150                | 7                   | 1      | 70184640161 | £000.00 |
|   | 65       | 150                | 7                   | 1      | 70184640162 | £000.00 |
|   | 78       | 150                | 7                   | 1      | 70184640163 | £000.00 |
|   | 91       | 150                | 7                   | 1      | 70184694048 | £000.00 |
|   | 107      | 150                | 7                   | 1      | 70184640164 | £000.00 |
|   | 117      | 150                | 7                   | 1      | 70184640165 | £000.00 |
|   | 127      | 150                | 7                   | 1      | 70184640166 | £000.00 |
|  | 152      | 150                | 7                   | 1      | 70184640167 | £000.00 |



## CLASSIC CB UNIVERSAL

- Useful length: 150mm (300mm for diam 28mm).
- Connection: ½" BSP Female.
- Conical connection shape to improve the mounting of the corebit
- Reduced vibration, increased safety and better comfort
- Easier core extraction.
- Optimised for the best balance between drilling speed, product life and comfort.



| MACHINES                                                                            | DIA (mm) | USEFUL LENGTH (mm) | SEGMENT HEIGHT (mm) | PK QTY | ART NO.     | PRICE   |
|-------------------------------------------------------------------------------------|----------|--------------------|---------------------|--------|-------------|---------|
|  | 28       | 150                | 7                   | 1      | 70184620351 | £000.00 |
|  | 38       | 150                | 7                   | 1      | 70184620352 | £000.00 |
|  | 52       | 150                | 7                   | 1      | 70184620353 | £000.00 |
|  | 65       | 150                | 7                   | 1      | 70184640268 | £000.00 |
|  | 78       | 150                | 7                   | 1      | 70184620354 | £000.00 |
|  | 107      | 150                | 7                   | 1      | 70184620355 | £000.00 |
|  | 117      | 150                | 7                   | 1      | 70184620356 | £000.00 |
|  | 127      | 150                | 7                   | 1      | 70184620357 | £000.00 |
|  | 152      | 150                | 7                   | 1      | 70184620358 | £000.00 |



## CLASSIC DS

- Useful length: 60mm (300mm for diam 28mm).
- Connection: M16 Female.
- Application: medium-hard building materials.
- Laser-welded segmented drill bit for handheld drilling. Suitable for dry drilling of electrical sockets and switches.
- Good value for money.



| MACHINES                                                                          | DIA (mm) | USEFUL LENGTH (mm) | SEGMENT HEIGHT (mm) | PK QTY | ART NO.     | PRICE   |
|-----------------------------------------------------------------------------------|----------|--------------------|---------------------|--------|-------------|---------|
|  | 68       | 60                 | 7                   | 1      | 70184620422 | £000.00 |
|  | 82       | 60                 | 7                   | 1      | 70184620423 | £000.00 |



## TECHNICAL INFORMATION

### OPERATING SPEEDS

| MAXIMUM OPERATING SPEED |         |         |
|-------------------------|---------|---------|
| DIAMETER (mm)           | MAX M/S | MAX RPM |
| 100                     | 80      | 15300   |
| 115                     | 80      | 13300   |
| 125                     | 80      | 12250   |
| 150                     | 80      | 10200   |
| 180                     | 80      | 8500    |
| 200                     | 80      | 7650    |
| 230                     | 80      | 6650    |
| 250                     | 80      | 6100    |
| 300                     | 100     | 6400    |
| 350                     | 100     | 5500    |
| 400                     | 100     | 4800    |
| 450                     | 63      | 2700    |

NEVER EXCEED THE MAXIMUM OPERATING SPEEDS:

- Hand held blades  $\varnothing \leq 230\text{mm}$ : 80m/s
- Hand held blades  $\varnothing > 230\text{mm}$ : 100m/s
- Others: 63m/s

### 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.



Mouth Protection



Wear Gloves



Eye Protection



Ear Protection



Read Instructions



Not for Side Grinding



Dry Cutting



Wet Cutting



## TROUBLESHOOTING

### DIAMOND BLADE DOES NOT CUT

|          |                                                                       |
|----------|-----------------------------------------------------------------------|
| Cause    | The segments are too hard for the material                            |
| Solution | Check if the blade is suitable for the material                       |
| Cause    | The segments have become blunt                                        |
| Solution | Sharpen the segments by cutting an abrasive material (e.g. sandstone) |
| Cause    | Insufficient machine power                                            |
| Solution | Check the voltage, machine power & filters                            |

### EXCESSIVE WEAR

|          |                                                                                                               |
|----------|---------------------------------------------------------------------------------------------------------------|
| Cause    | The segment is too soft for the material (e.g. if a blade for hard material is used to cut abrasive material) |
| Solution | Check if the diamond blade is suitable for the material                                                       |

### CRACKING OF STEEL CENTRE

|          |                                                                                                                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cause    | The segments are too hard for the material                                                                                                                           |
| Solution | Check if the blade is suitable for the material                                                                                                                      |
| Cause    | Excessive cutting pressure, overheating, material slippage, twisting or jamming in the cut                                                                           |
| Solution | Leave the blade to do the work, do not exert too much pressure & allow the blade to cool regularly by leaving it to rotate away from the workpiece for a few seconds |

### LOOSENING OR CRACKING OF SEGMENTS

|          |                                                                                                                                  |
|----------|----------------------------------------------------------------------------------------------------------------------------------|
| Cause    | The segments are too hard for the material. This results in the diamond blade bouncing in the cut resulting in cracking segments |
| Solution | Check if the diamond blade is suitable for the material                                                                          |

### SCORCHING OF SEGMENTS

|          |                                                                                                                                                             |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cause    | Excessive cutting pressure causing overheating. This is easily recognisable from the blue colouring where the segments & the steel core are welded together |
| Solution | Allow the diamond blade to cool regularly by rotating the blade away from the workpiece for a few seconds                                                   |
| Cause    | The segments are too hard for the material                                                                                                                  |
| Solution | Check if the diamond blade is suitable for the material. Alternatively use less cutting pressure & let the blade do the work                                |

### UNDERCUTTING

|          |                                                                                                                                                                                                                                                                                                                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cause    | Undercutting occurs when the steel core wears faster than the segment, i.e. where the segment & steel core meet. This is usually caused by materials that are highly abrasive. The cutting debris is not removed sufficiently & the steel core is affected. Undercutting is certain to occur if a diamond blade for hard materials is used to cut abrasive materials |
| Solution | Use a diamond blade suitable for the specific material                                                                                                                                                                                                                                                                                                               |

## SAFETY ADVICE

## DOs

|                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Read the safety instructions provided by the abrasives & equipment supplier                                                                                                                                                                                                                                                                                                                                             |
| Store abrasives in dry, frost-free conditions avoiding wide variations in temperature                                                                                                                                                                                                                                                                                                                                   |
| Ensure that the product is suitable for its purpose                                                                                                                                                                                                                                                                                                                                                                     |
| Handle, store & transport products with care                                                                                                                                                                                                                                                                                                                                                                            |
| Examine all products before mounting & periodically during blade use for possible defects or damage (core flatness, fatigue cracks, undercutting, arbor hole damage...)                                                                                                                                                                                                                                                 |
| Check that correct mounting devices are used & that they are clean, undistorted and free from burrs                                                                                                                                                                                                                                                                                                                     |
| Ensure that work rests are properly adjusted & secure                                                                                                                                                                                                                                                                                                                                                                   |
| Always use a correctly designed & adjusted guard (on the blade and belts)                                                                                                                                                                                                                                                                                                                                               |
| Ensure that the workpiece is secure                                                                                                                                                                                                                                                                                                                                                                                     |
| Wear appropriate personal protective equipment at all times                                                                                                                                                                                                                                                                                                                                                             |
| Avoid clogging & uneven wear to ensure that the product is working efficiently                                                                                                                                                                                                                                                                                                                                          |
| Ensure accordance between product direction arrow / machine rotation                                                                                                                                                                                                                                                                                                                                                    |
| Ensure that all machines using abrasives meet the requirements of the current European machinery directives-CE                                                                                                                                                                                                                                                                                                          |
| Be aware of the hazards likely during the use of abrasives & 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 &amp; dust generated by the grinding process</li> <li>• Noise</li> <li>• Vibration</li> </ul> |

## DON'Ts

|                                                                                     |
|-------------------------------------------------------------------------------------|
| Allow untrained people to use abrasives                                             |
| Use a product that is damaged or one which has been dropped                         |
| Use a product if it cannot be properly identified                                   |
| Use a machine that is not in good working order or one with defective parts         |
| Force the abrasive onto the mounting device or modify the size of the mounting hole |
| Exceed the maximum operating speed marked on the product                            |
| Apply shock or excessive force to the product or let it overheat                    |
| Use mounting flanges which are not clean & flat                                     |
| Tighten the mounting device excessively                                             |
| Start the machine until the guard is in place & fastened securely                   |
| Continue to use a product if vibration occurs. True or replace it                   |
| Grind on the part of the product which is not designed for the operation            |
| Start the machine with the workpiece in contact with the abrasive product           |
| Grind material for which the product is not designed                                |
| Stop the abrasive by applying pressure to its surface, let it stop naturally        |
| Exceed permissible rotation speeds: refer to values engraved on product             |
| Use blades with missing segments or core cracks                                     |
| Use dry products marked for wet use                                                 |
| Wear loose clothing, ties & jewellery                                               |



**NORTON**

SAINT-GOBAIN

# WIRE BRUSHES & CARBIDE BURRS

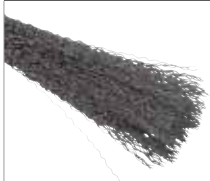
|                 |     |
|-----------------|-----|
| Wire brushes    | 343 |
| Carbide burrs   | 359 |
| Bevelling tools | 371 |
| Wire wool       | 376 |

## INTRODUCTION

Norton offers a range of wire brushes suitable for a wide variety of surface processing applications. The range encompasses crimped & knotted wire power wheel brushes, bevelled brushes, cup brushes, end brushes & hand brushes.

A number different types of wire are available which have been specifically selected to give the best results in any specific application.

### WIRE TYPES

| TEMPERED QUALITY STEEL WIRE                                                       |                                                                                   |                                        | STAINLESS STEEL WIRE                                                              |                                                                                    |                                           | BRASS WIRE                                                                          |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------|
| CRIMPED                                                                           | STRAIGHT                                                                          |                                        | CRIMPED                                                                           | STRAIGHT                                                                           |                                           | CRIMPED                                                                             |
|  |  |                                        |  |  |                                           |  |
| Removing dust and smoothing low-grade and non alloy steels                        |                                                                                   |                                        | Brushing and smoothing chrome-nickel steels, including stainless steel            |                                                                                    |                                           | Brushing, cleaning and smoothing brass, copper and bronze                           |
| NOSCW<br>NOrmal Steel<br>Crimped Wire                                             | NOSKW<br>NOrmal Steel<br>Knotted Wire                                             | NOSSW<br>NOrmal Steel<br>Straight Wire | STSCW<br>STainless Steel<br>Crimped Wire                                          | STSKW<br>STainless Steel<br>Knotted Wire                                           | STSSW<br>STainless Steel<br>Straight Wire | BRACW<br>BRASS<br>Crimped Wire                                                      |

### SHAPE KEY

| CODE    | PRODUCT TYPE                | TOOL                                                                                | APPLICATION                                                                                                                                                                                                     |
|---------|-----------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHB     | Crimped Wheel Brushes       |  | Supplied as standard with arbour hole as indicated. The size of the arbour hole can be reduced with reduction rings. Wheel brushes with short wire are more aggressive. Larger widths require more horse power. |
|         | Twist Knotted Wheel Brushes |  | Suitable for brushing out welded joints and brushing sharp corners.                                                                                                                                             |
| BEB     | Bevel Brushes               |  | Specially designed for brushing hard-to-reach places such as edges and corners.                                                                                                                                 |
| CPB     | Crimped Cup Brushes         |  | Use for cleaning jobs, especially on larger surfaces. Ideal for removing rust, corrosion, paint & primers. Removal of rust, corrosion, paint and primers.                                                       |
|         | Twist Knotted Cup Brushes   |  | An aggressive brush excellent for heavy-duty cleaning and finishing of large surfaces. Can be used for removing barnacles, scale, paint, rust and corrosion, as well as cleaning weld seams and spot-welds.     |
| WHB/ENB | Shaft Mounted Brushes       |  | Suitable for industrial use. Ideal for hard-to-reach areas. All shaft mounted brushes are equipped with a 6mm shank.                                                                                            |
| HCB/SPB | Hand Brushes                |  | With wooden core. Available in different widths. For use on narrow work pieces. Ideal for light deburring & cleaning profiled surfaces.                                                                         |
| TUB     | Pipe Brushes                |  | With handle or thread. For deburring and cleaning tubes.                                                                                                                                                        |



# WIRE BRUSHES FOR ANGLE GRINDERS

Wire brushes are excellent tools for deburring, removing rust, paint, corrosion and weld splatter from metal surfaces. They're almost spark free and with lower thermal impact, reduce the risk of workpiece burn. Norton offers a number of brush types and sizes for large flat areas to small, tight spaces. All provide a uniform finish and excellent price/performance ratio.

## PRODUCT SELECTION GUIDE

### FOR ANGLE GRINDERS

| ANGLE GRINDER SIZE (mm) | 115                 | 125 | 150    | 180 | 230     |
|-------------------------|---------------------|-----|--------|-----|---------|
| BRUSH TYPES             | BRUSH DIAMETER (mm) |     |        |     |         |
| Wheel brush, knotted    | 100,115             | 125 | 150    | 178 | -       |
| Wheel brush, crimped    | 100,115             | -   | -      | -   | -       |
| Cup brush, knotted      | 65                  | 75  | 80     | 100 | 120     |
| Cup brush, crimped      | 60                  | 75  | 80,100 | 100 | 125,150 |

### BY APPLICATION

Highly recommended ●

|                           | WIRE DIAMETER (mm) |     |      |     |     |
|---------------------------|--------------------|-----|------|-----|-----|
| APPLICATIONS              | 0,2                | 0,3 | 0,35 | 0,5 | 0,8 |
| Roughening                |                    |     |      | ●   | ●   |
| Planing                   | ●                  | ●   | ●    |     |     |
| Deburring                 | ●                  | ●   | ●    |     |     |
| Edge honing               | ●                  | ●   | ●    |     |     |
| Descaling/paint stripping | ●                  | ●   | ●    | ●   | ●   |
| Weld seams                | ●                  | ●   | ●    | ●   | ●   |

### BY TYPE & MATERIAL

Highly recommended ●

| PRODUCT AVAILABILITY ON: | STEEL | CARBON STEEL | STAINLESS STEEL | NON-FERROUS METAL | ALUMINIUM |
|--------------------------|-------|--------------|-----------------|-------------------|-----------|
| Normal steel             | ●     | ●            |                 |                   |           |
| Stainless steel          |       |              | ●               | ●                 | ●         |

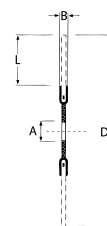


## TWIST KNOTTED WHEEL BRUSHES



- Aggressive removal for heavy duty rust, paint, corrosion and weld splatter
- Work at high speed to finish parts faster

- Wheel shape makes it easy to access hard to reach areas
- Brush does not clog or load with surface material, for a cleaner finish



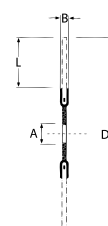
| DxBxA L (mm)   | NO.<br>KNOTS | RECOMMENDED<br>RPM | PK<br>QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|----------------|--------------|--------------------|-----------|--------------|---------|-----------------|---------|
| 0,50 mm        |              |                    |           |              |         |                 |         |
| 115x6x22,2 T22 | 36           | 6300 - 12500       | 1         | 63642581151  | £000.00 | 63642581639     | £000.00 |
| 125x6x22,2 T23 | 42           | 5500 - 11000       | 1         | 63642581157  | £000.00 | 63642581640     | £000.00 |
| 165x6x22,2 T35 | 76           | 4000 - 8000        | 1         | 63642581169  | £000.00 | -               | -       |

## TWIST KNOTTED WHEEL BRUSHES



- Powerful performance for de-burring, edge honing and removing rust, paint, corrosion and weld splatter
- Wheel shape makes it easy to access hard to reach areas

- Work at high speed to finish parts faster
- Brush does not clog or load with surface material, for a cleaner finish



| DxBxA L (mm)    | RECOMMENDED RPM | PK QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|-----------------|-----------------|--------|--------------|---------|-----------------|---------|
| 0,35 mm         |                 |        |              |         |                 |         |
| 100x11x22,2 T22 | 7500-12500      | 1      | 66254406185  | £000.00 | -               | -       |
| 115x11xM14 T23  | 6300-12500      | 1      | 66254406173  | £000.00 | -               | -       |
| 125x13x22,2 T28 | 5500-11000      | 1      | 66254406178  | £000.00 | -               | -       |
| 125x13xM14 T28  | 5500-11000      | 1      | 66254406172  | £000.00 | -               | -       |
| 0,50 mm         |                 |        |              |         |                 |         |
| 115x11x22,2 T23 | 6300-12500      | 1      | 66254406167  | £000.00 | 66254406153     | £000.00 |
| 115x11xM14 T23  | 6300-12500      | 1      | 66254406160  | £000.00 | -               | -       |
| 125x13x22,2 T28 | 5500-11000      | 1      | 66254406166  | £000.00 | -               | -       |
| 125x13xM14 T28  | 5500-11000      | 1      | 66254406158  | £000.00 | 66254410928*    | £000.00 |
| 178x15x22,2 T35 | 4500-8500       | 1      | 66254406163  | £000.00 | -               | -       |

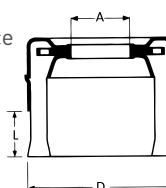
**DIMENSION KEY:** D = Diameter B = Width A = Bore min L = Wire Length

\* Made-to-order

## TWIST KNOTTED CUP BRUSHES **+++++**

- Aggressive brush for high speed roughing, rust, paint, corrosion and weld spatter removal
- Cup shape is ideal for use on large surface areas, removing matter quickly

- Brush guard offers protection, acting as a shield against surface material, whilst retaining visibility of the workpiece
- Brush guard is flexible enough for use on flat contoured, and hard to reach areas



| DxA L (mm) | GRINDER SIZE (mm) | PK QTY | NORMAL STEEL        | STAINLESS STEEL     |
|------------|-------------------|--------|---------------------|---------------------|
| 0,50 mm    |                   |        |                     |                     |
| 65xM14 T20 | 115 & 125         | 1      | 66261103046 £000.00 | 66261103171 £000.00 |



## TWIST KNOTTED CUP BRUSHES **+++**

- For tough cleaning and de-burring on heavy rust, weld scale and paint
- Cup shape with rigid wire construction provides extra cleaning power on large surface areas

- Stiff, long lasting knots make light work of heavy material build-up for applications such as preparing joints for filing and scaling
- Long life thanks to anti-clog nature



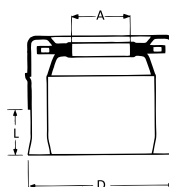
| DxA L (mm)  | GRINDER SIZE (mm) | PK QTY | NORMAL STEEL        | STAINLESS STEEL     |
|-------------|-------------------|--------|---------------------|---------------------|
| 0,35 mm     |                   |        |                     |                     |
| 65xM14 T20  | 115               | 1      | 66254406104 £000.00 | -                   |
| 100xM14 T25 | 150               | 1      | 66254406099 £000.00 | -                   |
| 0,50 mm     |                   |        |                     |                     |
| 65xM14 T20  | 115               | 1      | 66254406095 £000.00 | 66254406068 £000.00 |
| 80xM14 T25  | 125               | 1      | 66254406094 £000.00 | -                   |
| 100xM14 T25 | 150               | 1      | 66254406088 £000.00 | -                   |

\* Made-to-order

## WIRE BRUSHES FOR ANGLE GRINDERS

### CRIMPED CUP BRUSHES **+++++**

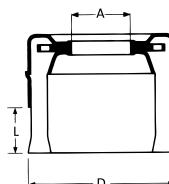
- A multi-purpose brush for the most common cleaning jobs
- Use on large surfaces for removing rust, paint, primer fast
- Offers excellent protection against flying debris thanks to the brush guard
- Brush guard allows visibility on the workpiece



| DxA L (mm) | GRINDER SIZE (mm) | PK QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|------------|-------------------|--------|--------------|---------|-----------------|---------|
| 0,30 mm    |                   |        |              |         |                 |         |
| 75xM14 T22 | 115 & 125         | 1      | 66261103049  | £000.00 | 66261103176     | £000.00 |

### CRIMPED WIRE CUP BRUSHES **+++**

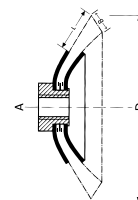
- Cup brush shape with crimped wire construction for cleaning light surface oxidation, paint and primers
- Cover large areas fast thanks to the cup shape
- Select a smaller diameter wire for lighter cleaning, thicker wire for more aggressive applications
- Long product life, thanks to anti-clog nature of the brush



| DxBxA L (mm) | GRINDER<br>SIZE (mm) | PK<br>QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|--------------|----------------------|-----------|--------------|---------|-----------------|---------|
| 0,30 mm      |                      |           |              |         |                 |         |
| 60xM14 T16   | 115                  | 1         | 66254406058  | £000.00 | 66254406037     | £000.00 |
| 75xM14 T20   | 125                  | 1         | 66254406055  | £000.00 | -               | -       |
| 80xM14 T25   | 125                  | 1         | 66254406054  | £000.00 | 66254404868     | £000.00 |
| 100xM14 T30  | 150                  | 1         | 66254406053  | £000.00 | -               | -       |
| 125xM14 T35  | 230                  | 1         | 66254406050  | £000.00 | -               | -       |
| 150xM14 T55  | 230                  | 1         | 66254406049  | £000.00 | -               | -       |

### TWIST KNOTTED BEVEL BRUSHES **+++++**

- Bevel shape is specially designed for hard to reach areas including edges and corners
- Brush guard offers protection against flying debris, whilst still providing visibility of the workpiece
- Brush guard is flexible, allowing brush to be used on flat, open surfaces as well as hard to reach areas.
- Long product life, thanks to anti-clog nature of the brush

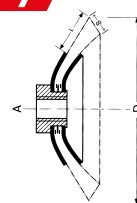


| DxA L (mm)  | GRINDER SIZE (mm) | PK QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|-------------|-------------------|--------|--------------|---------|-----------------|---------|
| 0,50 mm     |                   |        |              |         |                 |         |
| 100xM14 T22 | 115               | 1      | 66261103055  | €000.00 | 66261103179     | €000.00 |

**DIMENSION KEY:** D = Diameter B = Width A = Bore min L = Wire Length

## TWIST KNOTTED BEVEL BRUSH +++

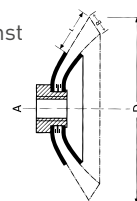
- Bevel shape is specially designed for hard to reach areas including edges and corners
- For aggressive removal of rust, corrosion, paint & primer
- Stiff, long lasting knots make light work of heavy material build-up for applications such as preparing joints for filing and scaling
- Long product life, thanks to anti-clog nature of the brush



| DxBxA L (mm)     | GRINDER<br>SIZE (mm) | PK<br>QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|------------------|----------------------|-----------|--------------|---------|-----------------|---------|
| 0,50 mm          |                      |           |              |         |                 |         |
| 100x13xM14 T20   | 115                  | 1         | 66254406149  | €000.00 | 66254406146     | €000.00 |
| 115x15xM14 T27,5 | 125                  | 1         | 66254406147  | €000.00 | 66254406144     | €000.00 |

## CRIMPED WIRE BEVEL BRUSHES +++++

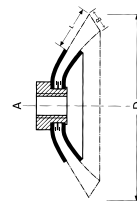
- Bevel shape is specially designed for hard to reach areas including edges and corners
- For removal of light rust, corrosion, paint & primer
- Brush guard offers protection against flying debris, whilst still providing visibility of the workpiece
- Long product life, thanks to anti-clog nature of the brush



| DxA L (mm)  | GRINDER<br>SIZE (mm) | PK<br>QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|-------------|----------------------|-----------|--------------|---------|-----------------|---------|
| 0,30 mm     |                      |           |              |         |                 |         |
| 100xM14 T24 | 115                  | 1         | 66261103056  | £000.00 | 66261103180     | £000.00 |

## CRIMPED WIRE BEVEL BRUSHES +++

- Bevel shape is specially designed for hard to reach areas including edges and corners
- For removal of light rust, corrosion, paint & primer
- Thick wire diameter provides more aggressive cleaning
- Long product life, thanks to anti-clog nature of the brush



| DxBxA L (mm)     | GRINDER SIZE (mm) | PK QTY | NORMAL STEEL |         |
|------------------|-------------------|--------|--------------|---------|
| 0,50 mm          |                   |        |              |         |
| 100x13xM14 T20   | 115               | 1      | 66254406142  | £000.00 |
| 115x15xM14 T27,5 | 125               | 1      | 66254406109* | £000.00 |

\* Made-to-order





## WIRE BRUSHES FOR HAND DRILLS

Norton wire brushes for hand drills are ideal for small and hard to reach areas like inner diameters of holes and tubes. Used with medium pressure, the brushes are almost spark free, reducing thermal damage on the workpiece. A number of brush types are available for different application needs.

## PRODUCT SELECTION GUIDE

### BY APPLICATION

Highly recommended ●

| APPLICATIONS              | WIRE DIAMETER (mm) |     |      |     |
|---------------------------|--------------------|-----|------|-----|
|                           | 0,2                | 0,3 | 0,35 | 0,5 |
| Roughing                  |                    |     | ●    | ●   |
| Planing                   | ●                  | ●   | ●    |     |
| Deburring                 | ●                  | ●   | ●    | ●   |
| Edge honing               | ●                  | ●   | ●    |     |
| Descaling/paint stripping |                    | ●   | ●    | ●   |
| Weld seams                | ●                  | ●   | ●    |     |

### BY TYPE & MATERIAL

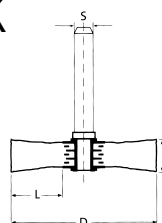
Highly recommended ●

| PRODUCT AVAILABILITY ON: | STEEL | CARBON STEEL | STAINLESS STEEL | NON-FERROUS METAL | ALUMINIUM | SOFT WOOD | HARD WOOD |
|--------------------------|-------|--------------|-----------------|-------------------|-----------|-----------|-----------|
| Normal steel             | ●     | ●            |                 |                   |           | ●         | ●         |
| Stainless steel          |       |              | ●               | ●                 | ●         |           |           |
| Brass wire               |       |              |                 | ●                 |           | ●         |           |



## TWIST KNOTTED WIRE WITH SHANK

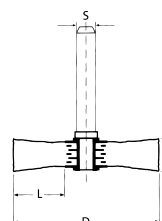
- Circular shape for hard to reach areas including edges and corners
- For aggressive removal of rust, corrosion, paint & primer
- Stiff, long lasting knots make light work of heavy material build-up for preparing joints for filing and scaling
- 6mm shank fits most brands of hand drills



| DxB L (mm) | SHANK | PK QTY | NORMAL STEEL |         |
|------------|-------|--------|--------------|---------|
| 0,35 mm    |       |        |              |         |
| 70x15 T15  | 6     | 12     | 66254405406  | £000.00 |
| 0,50 mm    |       |        |              |         |
| 70x15 T15  | 6     | 12     | 66254405407  | £000.00 |

## CRIMPED WIRE WITH SHANK

- Circular shape for hard to reach areas including edges and corners
- For removal of light rust, corrosion, paint & primer
- Thicker wire diameter provides more aggressive cleaning, for less aggressive applications, choose a thinner wire
- 6mm shank fits most brands of hand drills



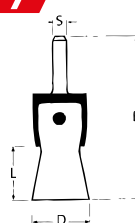
| DxB L (mm)  | SHANK | PK QTY | NORMAL STEEL |         | STAINLESS STEEL |         | BRASS       |         |
|-------------|-------|--------|--------------|---------|-----------------|---------|-------------|---------|
| 0,20 mm     |       |        |              |         |                 |         |             |         |
| 20x4 T3     | 6     | 10     | 66254404872  | £000.00 | -               | -       | -           | -       |
| 30x6 T6,5   | 6     | 10     | 66254404875  | £000.00 | -               | -       | -           | -       |
| 30x9 T6,5   | 6     | 10     | 66254404876  | £000.00 | 66254404909     | £000.00 | -           | -       |
| 40x9 T9     | 6     | 10     | 66254404879  | £000.00 | 66254404910     | £000.00 | -           | -       |
| 50x10 T12,5 | 6     | 10     | 66254404880  | £000.00 | -               | -       | -           | -       |
| 50x15 T12,5 | 6     | 10     | 66254404881  | £000.00 | 66254405238     | £000.00 | 66254405397 | £000.00 |
| 60x10 17,5  | 6     | 10     | -            | -       | 66254405269     | £000.00 | -           | -       |
| 60x15 17,5  | 6     | 10     | 66254404885  | £000.00 | 66254405270     | £000.00 | -           | -       |
| 70x10 T19   | 6     | 10     | 66254404886  | £000.00 | 66254405271     | £000.00 | -           | -       |
| 80x20 T19   | 6     | 10     | -            | -       | 66254405392     | £000.00 | 66254405405 | £000.00 |
| 0,30 mm     |       |        |              |         |                 |         |             |         |
| 50x10 T12,5 | 6     | 10     | 66254404891  | £000.00 | -               | -       | -           | -       |
| 60x15 17,5  | 6     | 10     | 66254404897  | £000.00 | 66254405394*    | £000.00 | -           | -       |
| 70x10 T19   | 6     | 10     | 66254404899  | £000.00 | 66254405395     | £000.00 | -           | -       |
| 70x15 T19   | 6     | 10     | -            | -       | 66254405396     | £000.00 | -           | -       |
| 80x20 T19   | 6     | 10     | 66254404907  | £000.00 | 66254405398     | £000.00 | -           | -       |

**DIMENSION KEY:** D = Diameter    B = Width    A = Bore min    L = Wire Length

\* Made-to-order

## TWIST KNOTTED END BRUSHES

- End brush shape is perfect for heavy-duty cleaning and deburring hard to reach areas such as tubes and internal diameters
- Twist knotted wires are aggressive and remove material faster
- For use on steel, choose a larger wire diameter for more aggressive applications, for lighter work, select a smaller wire diameter
- 6mm shank fits most brands of hand drills

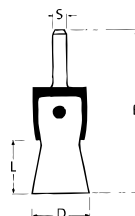


| DxB L (mm) | SHANK | PK QTY | NORMAL STEEL |         |
|------------|-------|--------|--------------|---------|
| 0,35 mm    |       |        |              |         |
| 19x68 T28  | 6     | 12     | 66254405421  | £000.00 |
| 22x68 T28  | 6     | 12     | 66254405422* | £000.00 |
| 0,50 mm    |       |        |              |         |
| 28x68 T28  | 6     | 12     | 66254405423  | £000.00 |

\* Made-to-order

## CRIMPED WIRE END BRUSHES ON SHANK (ENB)

- End brush shape is perfect for cleaning and deburring hard to reach areas such as tubes and internal diameters
- Crimped wires are perfect for lighter cleaning and material removal
- For use on steel, choose a larger wire diameter for more aggressive applications, for lighter work, select a smaller wire diameter
- 6mm shank fits most brands of hand drills



| DxBxL (mm) | SHANK | PK QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|------------|-------|--------|--------------|---------|-----------------|---------|
| 0,20 mm    |       |        |              |         |                 |         |
| 12x60 T20  | 6     | 12     | 66254405408  | £000.00 | -               | -       |
| 17x65 T22  | 6     | 12     | 66254405409  | £000.00 | -               | -       |
| 0,30 mm    |       |        |              |         |                 |         |
| 12x60 T20  | 6     | 12     | 66254405410  | £000.00 | 66254405414     | £000.00 |
| 17x65 T22  | 6     | 12     | 66254405411  | £000.00 | 66254405415     | £000.00 |
| 24x68 T25  | 6     | 12     | 66254405412  | £000.00 | 66254405418*    | £000.00 |
| 30x68 T26  | 6     | 12     | 66254405413  | £000.00 | 66254405419     | £000.00 |

**DIMENSION KEY:** D = Diameter B = Width A = Bore min L = Wire Length

\* Made-to-order





## WIRE BRUSHES FOR BENCH GRINDERS

Wire wheel brushes for bench grinders are commonly used to remove rust, corrosion, hardened paint and adhesive residues, providing a good surface finish on large or small work pieces at a good price/performance ratio.

## PRODUCT SELECTION GUIDE

### BY APPLICATION

Highly recommended ●

| APPLICATIONS              | WIRE DIAMETER (mm) |     |     |
|---------------------------|--------------------|-----|-----|
|                           | 0,2                | 0,3 | 0,5 |
| Roughing                  |                    |     | ●   |
| Surface preparation       | ●                  | ●   |     |
| De-burring                | ●                  | ●   |     |
| Edge honing               | ●                  | ●   |     |
| Descaling/paint stripping | ●                  | ●   | ●   |
| Weld seams                | ●                  | ●   | ●   |

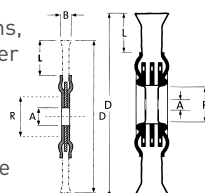
### BY TYPE & MATERIAL

Highly recommended ●

| PRODUCT AVAILABILITY ON: | STEEL | CARBON STEEL | STAINLESS STEEL | NON-FERROUS METAL | ALUMINIUM | SOFT WOOD | HARD WOOD |
|--------------------------|-------|--------------|-----------------|-------------------|-----------|-----------|-----------|
| Normal steel             | ●     | ●            |                 |                   |           | ●         | ●         |
| Stainless steel          |       |              | ●               | ●                 | ●         |           |           |

CRIMPED WHEEL BRUSHES (WHB) 

- Wheel brushes are ideal for removing corrosion, rust, hardened paints & hard adhesive residues
- Crimped wire removes light rust, corrosion, paint & primer
- Choose a larger wire diameter for more aggressive applications, for lighter work, select a smaller wire diameter
- For working on large surface areas, several wheel brushes can be mounted on the machine simultaneously



| DxBxAxR L (mm)      | PK<br>QTY | NORMAL STEEL |         | STAINLESS STEEL |         |
|---------------------|-----------|--------------|---------|-----------------|---------|
| 0,20 mm             |           |              |         |                 |         |
| 100x20x20x30 T24    | 1         | 66254406450  | £000.00 | -               | -       |
| 125x24x20x30 T36    | 1         | 66254406409  | £000.00 | -               | -       |
| 150x29x32x50,8 T27  | 1         | 66254406407  | £000.00 | -               | -       |
| 200x26x32x80 T40    | 1         | 66254406401  | £000.00 | -               | -       |
| 0,30 mm             |           |              |         |                 |         |
| 80x15x20x20 T20     | 1         | 66254406399  | £000.00 | -               | -       |
| 100x11x12x20 T22    | 1         | 66254406455  | £000.00 | -               | -       |
| 125x11x12x20 T34    | 1         | 66254406454  | £000.00 | -               | -       |
| 125x24x20x30 T36    | 1         | 66254406282  | £000.00 | -               | -       |
| 150x18x32x50,8 T27  | 1         | 66254406265  | £000.00 | 66254406206     | £000.00 |
| 180x22x32x50,8 T42  | 1         | 66254406263  | £000.00 | -               | -       |
| 180x28x32x50,8 T42  | 1         | 66254406259  | £000.00 | 66254406196     | £000.00 |
| 200x26x32x80 T40    | 1         | 66254406255  | £000.00 | 66254406187     | £000.00 |
| 200x36x32x80 T40    | 1         | 66254406243  | £000.00 | -               | -       |
| 250x32x50,8x100 T50 | 1         | 66254406241  | £000.00 | -               | -       |
| 0,50 mm             |           |              |         |                 |         |
| 200x26x32x80 T40    | 1         | 66254406216  | £000.00 | -               | -       |
| 250x38x50,8x100 T50 | 1         | 66254406214  | £000.00 | -               | -       |

**DIMENSION KEY:** D = Diameter    B = Width    A = Bore min    L = Wire Length

\* Made-to-order



# WIRE BRUSHES FOR MANUAL APPLICATION

Simple brushing operations can be carried out by hand using Norton manual brushes. A number of brush types are available for different applications including cleaning and removing rust, scale and paint.

## PRODUCT SELECTION GUIDE

### BY APPLICATION

Highly recommended ●

| APPLICATIONS              | TYPE OF WIRE |         |          |           |
|---------------------------|--------------|---------|----------|-----------|
|                           | BRASS        | CRIMPED | STRAIGHT | NYLON/PVC |
| Descaling/paint stripping |              | ●       |          |           |
| Weld seams                |              | ●       |          |           |
| Brushing/dust removal     |              |         | ●        | ●         |
| Light cleaning            | ●            |         |          | ●         |

### BY TYPE & MATERIAL

Highly recommended ●

| PRODUCT AVAILABILITY ON: | STEEL | CARBON STEEL | STAINLESS STEEL | NON-FERROUS METAL | ALUMINIUM | SOFT WOOD | HARD WOOD |
|--------------------------|-------|--------------|-----------------|-------------------|-----------|-----------|-----------|
| Normal steel             | ●     | ●            |                 |                   |           | ●         | ●         |
| Stainless steel          |       |              | ●               | ●                 | ●         |           |           |
| Brass wire               |       |              |                 | ●                 |           | ●         |           |



## WIRE BRUSHES FOR MANUAL APPLICATION

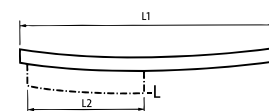
### BRUSHES WITH HANDLE

- Basic hand brush for simple cleaning jobs in hard to reach or small areas
- Plastic handle for better grip and comfort in use
- Choose a larger wire diameter for more aggressive applications, for lighter work, select a smaller wire diameter

| L1xL2xL (mm)                                              | NUMBER OF ROWS | PK QTY | ARTICLE NO. | PRICE   |
|-----------------------------------------------------------|----------------|--------|-------------|---------|
| <b>WOOD HANDLE NORMAL STEEL STRAIGHT WIRE 0,30 mm</b>     |                |        |             |         |
| 290x140x25                                                | 1R             | 12     | 66254405431 | £000.00 |
| 290x140x25                                                | 2R             | 12     | 66254405432 | £000.00 |
| 290x140x25                                                | 3R             | 12     | 66254405434 | £000.00 |
| 290x140x25                                                | 4R             | 12     | 66254405435 | £000.00 |
| 290x140x25                                                | 5R             | 12     | 66254405437 | £000.00 |
| <b>WOOD HANDLE STAINLESS STEEL STRAIGHT WIRE 0,30 mm</b>  |                |        |             |         |
| 290x140x25                                                | 2R             | 12     | 66254405443 | £000.00 |
| 290x140x25                                                | 4R             | 12     | 66254405447 | £000.00 |
| <b>WOOD HANDLE STAINLESS STEEL CRIMPED WIRE 0,30 mm</b>   |                |        |             |         |
| 290x140x25                                                | 2R             | 12     | 66254405457 | £000.00 |
| 290x140x25                                                | 4R             | 12     | 66254405461 | £000.00 |
| <b>WOOD HANDLE BRASS CRIMPED WIRE 0,30 mm</b>             |                |        |             |         |
| 290x140x25                                                | 4R             | 12     | 66254405466 | £000.00 |
| 290x140x25                                                | 6R             | 12     | 66254405468 | £000.00 |
| <b>PLASTIC HAND NORMAL STEEL STRAIGHT WIRE 0,30 mm</b>    |                |        |             |         |
| 265x140x25                                                | 1R             | 12     | 66254405470 | £000.00 |
| <b>PLASTIC HAND STAINLESS STEEL STRAIGHT WIRE 0,30 mm</b> |                |        |             |         |
| 265x140x25                                                | 1R             | 12     | 66254405471 | £000.00 |
| <b>PLASTIC HAND BRASS CRIMPED WIRE 0,30 mm</b>            |                |        |             |         |
| 265x140x25                                                | 1R             | 12     | 66254405473 | £000.00 |

**DIMENSION KEY:** D = Diameter B = Width A = Bore min L = Wire Length

\* Made-to-order



### SPECIAL HAND BRUSHES

#### SPARK PLUG BRUSHES

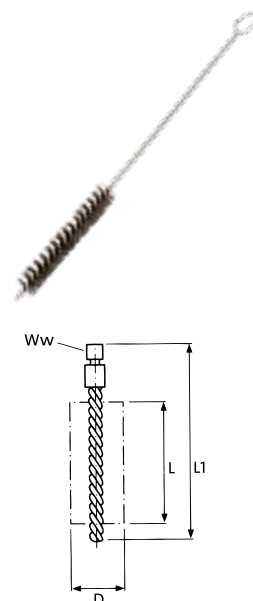
| L1xL2xL (mm) | WIRE | ROWS | PK QTY | ARTICLE NO. | PRICE   |
|--------------|------|------|--------|-------------|---------|
| <b>SPB</b>   |      |      |        |             |         |
| 200x18x45    | 0,20 | 3x6R | 24     | 66254405474 | £000.00 |



## PIPE BRUSHES WITH HANDLE

- Pipe brush cleans and descales internal diameter of pipes
- Flexible metal shaft allows cleaning around bends and corners
- Choose a larger wire diameter for more aggressive applications, for lighter work, select a smaller wire diameter

| DxLxL1 (mm)                              | PK QTY | ARTICLE NO. | PRICE   |
|------------------------------------------|--------|-------------|---------|
| <b>NORMAL STEEL CRIMPED WIRE 0,10 mm</b> |        |             |         |
| 10x100x300                               | 20     | 66254405706 | £000.00 |
| 12x100x300                               | 20     | 66254405704 | £000.00 |
| <b>NORMAL STEEL CRIMPED WIRE 0,20 mm</b> |        |             |         |
| 20x100x300                               | 20     | 66254405715 | £000.00 |
| <b>BRASS CRIMPED WIRE 0,10 mm</b>        |        |             |         |
| 10x100x300                               | 20     | 66254405725 | £000.00 |
| 18x100x300                               | 20     | 66254405728 | £000.00 |
| <b>BRASS CRIMPED WIRE 0,15 mm</b>        |        |             |         |
| 20x100x300                               | 20     | 66254405730 | £000.00 |
| <b>NYLON WIRE 0,10 mm</b>                |        |             |         |
| 10x100x300                               | 20     | 66254405734 | £000.00 |
| 15x100x300                               | 20     | 66254405737 | £000.00 |



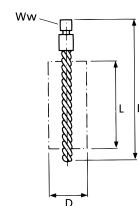
## PIPE BRUSHES WITH SHANK

| DxLxL1 (mm)                              | W/w     | PK QTY | ARTICLE NO. | PRICE   |
|------------------------------------------|---------|--------|-------------|---------|
| <b>NORMAL STEEL CRIMPED WIRE 0,20 mm</b> |         |        |             |         |
| 18x80x115                                | 6       | 10     | 66254405502 | £000.00 |
| 25x80x115                                | 6       | 10     | 66254405503 | £000.00 |
| <b>NORMAL STEEL CRIMPED WIRE 0,30 mm</b> |         |        |             |         |
| 32x100x160                               | 1/2"BSW | 5      | 66254405634 | £000.00 |



### LONG SHAFT FOR PIPE BRUSHES WITH SHANK

| D (mm)     | SHANK / W/w | WIRE Ø | PK QTY | ARTICLE NO. | PRICE   |
|------------|-------------|--------|--------|-------------|---------|
| <b>DOU</b> |             |        |        |             |         |
| 1000       | 6           | -      | 1      | 66254405629 | £000.00 |
| 1000       | 1/2"BSW     | -      | 1      | 66254405692 | £000.00 |



**DIMENSION KEY:** D = Diameter B = Width A = Bore min L = Wire Length



## OPERATING SPEED

Peripheral speed is a decisive factor in achieving optimum performance from a brush, the table opposite enables you to determine the relevant peripheral speed by simply reading down and across the appropriate diameter and drive shaft operating speed columns.

| RPM               | BRUSH DIAMETER (mm) |       |       |        |       |       |       |       |       |       |       |       |
|-------------------|---------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | 20                  | 40    | 50    | 80     | 100   | 125   | 150   | 180   | 200   | 250   | 300   | 350   |
| min <sup>-1</sup> | -                   | -     | -     | -      | -     | -     | -     | -     | -     | -     | -     | -     |
| 800               | -                   | -     | -     | 3,35   | 4,19  | 5,23  | 6,28  | 7,53  | 8,37  | 10,47 | 12,56 | 14,75 |
| 900               | -                   | -     | 2,35  | 3,77   | 4,71  | 5,88  | 7,06  | 8,48  | 9,41  | 11,77 | 14,12 | 16,47 |
| 1150              | -                   | -     | 3,01  | 4,81   | 6,01  | 7,52  | 9,02  | 10,83 | 12,03 | 15,04 | 18,04 | 21,04 |
| 1200              | 1,26                | 2,51  | 3,14  | 5,02   | 6,28  | 7,85  | 9,41  | 11,3  | 12,55 | 15,69 | 18,83 | 21,97 |
| 1400              | 1,46                | 2,93  | 3,66  | 5,86   | 7,32  | 9,15  | 10,98 | 13,18 | 14,64 | 18,31 | 21,97 | 25,63 |
| 1500              | 1,57                | 3,14  | 3,92  | 6,28   | 7,85  | 9,81  | 11,77 | 14,13 | 15,69 | 19,61 | 23,54 | 27,46 |
| 1800              | 1,88                | 3,77  | 4,71  | 7,54   | 9,41  | 11,77 | 14,12 | 16,95 | 18,83 | 23,54 | 28,24 | 32,95 |
| 2000              | 2,09                | 4,19  | 5,23  | 8,37   | 10,26 | 13,08 | 15,69 | 18,84 | 20,92 | 26,15 | 31,38 | 36,61 |
| 2500              | 2,62                | 5,23  | 6,54  | 10,47  | 13,08 | 16,35 | 19,61 | 23,55 | 26,15 | 32,67 | 39,23 | 45,76 |
| 2800              | 2,93                | 5,86  | 7,32  | 11,72  | 14,64 | 18,31 | 21,97 | 26,37 | 29,29 | 36,61 | 43,93 | 51,25 |
| 3000              | 3,14                | 6,28  | 7,85  | 12,56  | 15,69 | 19,62 | 23,54 | 28,26 | 31,38 | 39,23 | 47,07 | 54,92 |
| 3200              | 3,35                | 6,7   | 8,37  | 13,4   | 16,74 | 20,92 | 25,1  | 30,14 | 33,47 | 41,84 | 50,21 | 58,58 |
| 3500              | 3,66                | 7,33  | 9,15  | 14,65  | 18,31 | 22,89 | 27,46 | 32,97 | 36,61 | 45,76 | 54,92 | 64,07 |
| 4000              | 4,19                | 8,37  | 10,46 | 16,75  | 20,92 | 26,16 | 31,38 | 37,68 | 41,84 | 52,33 | 62,76 | 73,22 |
| 4500              | 4,7                 | 9,42  | 11,77 | 18,84  | 23,54 | 29,43 | 35,3  | 42,4  | 47,07 | 58,84 | 70,61 | 82,43 |
| 5000              | 5,23                | 10,47 | 13,08 | 20,93  | 26,15 | 32,7  | 39,23 | 47,1  | 52,33 | 65,38 | 78,5  | -     |
| 5400              | 5,65                | 11,3  | 14,12 | 22,94  | 28,24 | 35,31 | 42,36 | 50,67 | 56,48 | 70,61 | 84,78 | -     |
| 6000              | 6,28                | 12,56 | 15,69 | 25,12  | 31,38 | 39,24 | 47,07 | 56,52 | 62,76 | 78,5  | -     | -     |
| 7000              | 7,33                | 14,66 | 18,31 | 29,31  | 36,61 | 45,78 | 54,92 | 65,94 | 73,22 | 91,58 | -     | -     |
| 8000              | 8,37                | 16,75 | 20,92 | 33,94  | 41,48 | 52,32 | 62,76 | 75,36 | 83,73 | -     | -     | -     |
| 9000              | 9,42                | 18,84 | 23,54 | 37,68  | 47,07 | 58,86 | 70,61 | 84,78 | 94,2  | -     | -     | -     |
| 10000             | 10,47               | 20,93 | 26,17 | 41,86  | 52,33 | 65,4  | 78,5  | 94,2  | -     | -     | -     | -     |
| 12500             | 13,08               | 26,17 | 32,71 | 52,33  | 65,42 | 81,75 | 98,13 | -     | -     | -     | -     | -     |
| 15000             | 15,7                | 31,4  | 39,25 | 62,8   | -     | -     | -     | -     | -     | -     | -     | -     |
| 17500             | 18,32               | 36,63 | 45,79 | 73,26  | -     | -     | -     | -     | -     | -     | -     | -     |
| 20000             | 20,93               | 41,87 | 52,33 | 83,73  | -     | -     | -     | -     | -     | -     | -     | -     |
| 22500             | 23,55               | 47,1  | 58,88 | 94,2   | -     | -     | -     | -     | -     | -     | -     | -     |
| 25000             | 26,17               | 52,33 | 65,42 | 104,66 | -     | -     | -     | -     | -     | -     | -     | -     |

### HOW TO READ THIS TABLE?

Select your brush diameter, then move down till you reach desirable peripheral speed in m/s, after check on the left side of the table the value for the RPM. Check on page 466 the maximum operating speed per type of brush.

## MAXIMUM OPERATING SPEED

| TYPE                                                                                               | DIAMETER (mm) | MAX RPM | TYPE                                                                                                             | DIAMETER (mm) | MAX RPM |
|----------------------------------------------------------------------------------------------------|---------------|---------|------------------------------------------------------------------------------------------------------------------|---------------|---------|
| <br>WHEEL BRUSHES | 80            | 10000   | <br>BEVEL BRUSHES               | 100           | 11000   |
|                                                                                                    | 100           | 8000    |                                                                                                                  | 100/115       | 11000   |
|                                                                                                    | 125           | 6000    |                                                                                                                  | 115           | 10000   |
|                                                                                                    | 150           | 6000    | <br>TWIST KNOTTED WHEEL BRUSHES | 100           | 11000   |
|                                                                                                    | 180           | 6000    |                                                                                                                  | 115           | 11000   |
|                                                                                                    | 200           | 4500    |                                                                                                                  | 125           | 10000   |
|                                                                                                    | 250           | 3600    |                                                                                                                  | 150/180       | 8500    |
|                                                                                                    | 250 - 1 row   | 3500    |                                                                                                                  | 200           | 6500    |
|                                                                                                    | 300           | 3000    |                                                                                                                  | 20            | 20000   |
| <br>CUP BRUSHES   | 60/65/75      | 11000   | <br>SHAFT MOUNTED WIRE BRUSHES  | 30            | 20000   |
|                                                                                                    | 60/65/75      | 11000   |                                                                                                                  | 40            | 18000   |
|                                                                                                    | 60/65/75      | 10000   |                                                                                                                  | 50            | 15000   |
|                                                                                                    | 75            | 9300    |                                                                                                                  | 60            | 15000   |
|                                                                                                    | 80/100        | 8500    |                                                                                                                  | 70            | 15000   |
|                                                                                                    | 125/150       | 6500    |                                                                                                                  | 80            | 12000   |

The maximum RPM ratings are safety ratings not recommended operating speeds. The optimum operating speed is determined by the application and in most cases lower operating speeds will prove more efficient and achieve the best result. As a general guide we recommend the following peripheral speeds when working on the materials listed with:

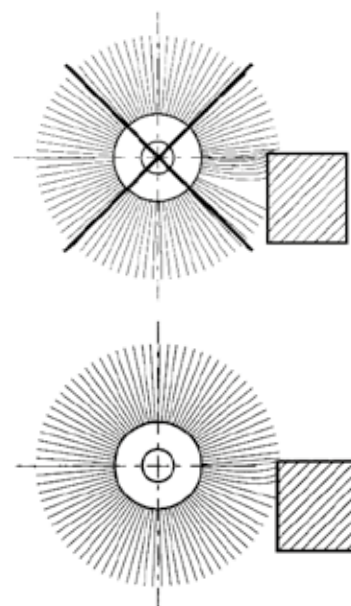
| APPLICATION | CRIMPED WIRE | TWIST KNOTTED |
|-------------|--------------|---------------|
| STEEL       | 30m/s        | 35-40m/s      |
| NON FERROUS | 18-20m/s     | -             |
| PLASTIC     | 15m/s        | -             |

### BRUSHING PRESSURE

- Let the tip of the wire brush do the work. Operate the brush with the lightest pressure so only the tips of the wire come in contact with the work
- If heavy pressure is used, wires will be over stressed, resulting in a wiping action, and if this is continued, the life of the brush will be shortened due to wire fatigue
- Apply the work to the face of the brush ensuring as much of the brush face as possible is in full contact. Applying the work to the side or edge of the brushing tool will result in wire breakage and shortened brush life
- Reversing the wheel brush rotation periodically will tend to increase the life of the brush. This results in the sharpening of the wire tips or ends, ensuring faster cutting action

### SIZE OF WIRE

- Use the finest size of wire suitable for the application
- Finer wire size will perform better and last longer than heavier



## TROUBLESHOOTING

Several factors can influence a brush application. If the selected brush does not achieve the expected result, the following table may provide solutions for the most common problems faced by a user.

For further information, please contact our technical department.

| PROBLEM                                       | RECOMMENDED ACTIONS                           |
|-----------------------------------------------|-----------------------------------------------|
| Brush is too aggressive                       | Increase trim length                          |
|                                               | Reduce wire diameter                          |
|                                               | Reduce operating speed                        |
| Brush is not aggressive enough                | Reduce trim length                            |
|                                               | Increase wire diameter                        |
|                                               | Increase operating speed                      |
| Action of brush does not totally remove scale | Reduce trim length                            |
|                                               | Increase wire diameter                        |
| Finish is too coarse                          | Increase trim length                          |
|                                               | Reduce wire diameter                          |
|                                               | Increase operating speed                      |
|                                               | Choose a nylon abrasive brush                 |
| Finish is too smooth                          | Reduce trim length                            |
|                                               | Increase wire diameter                        |
| Action of brush is not uniform                | Reduce brushing pressure                      |
|                                               | Automate operations to avoid human inaccuracy |
| Wire breaks more than usual                   | Reduce brushing pressure                      |
|                                               | Reduce wire diameter                          |
|                                               | Reduce operating speed                        |
| Life of the brush is too short                | Reduce wire diameter                          |
|                                               | Increase brush diameter                       |
|                                               | Reduce brushing pressure                      |

## SAFETY & STORAGE

Safety goggles or full face protection with side shields must be worn by all operators and others in the immediate area of power brush operations.

- Keep all machine guards in place
- Observe all speed restrictions indicated on brushes
- Appropriate protective clothing and equipment must be used
- Brushes should be carefully checked when removed from the original carton. Do not use if rusted or damaged
- Store brushes in the original carton. Wire brushes should not be exposed to heat, high humidity, acids, fumes or liquids that can result in deterioration of the wire filaments, and subsequently, premature failure of the wires. Also, check for distortion of brush fill that can cause imbalance and excessive vibration when the brush is running
- Check maximum spindle speed. Do not mount and operate the brush if spindle RPM exceeds the maximum safe free speed for which the brush is rated. Spindle length should be sufficient to permit a full nut mounting
- Before starting the machine, rotate the wire brush with a gloved hand to determine that the brush has been correctly mounted and turns freely





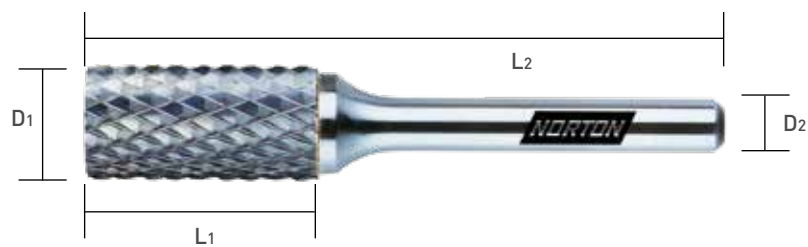
# TUNGSTEN CARBIDE BURRS

State of the art, “Inox” & “Steel” cut styles and round edge burrs brings innovation to the Norton carbide burr offering. The specially designed geometries suit growing demands for stainless steel, steel and cast steel offering fast stock removal and long service life, providing optimum efficiency.

This extended line of carbide burrs covers a variety of teeth and cutting shapes providing optimum results in preparing and removing welds, chamfering, deburring in the shipbuilding, automotive, foundry and aviation industries.

Carbide burrs can be used on with hand-held tools or CNC machines. Each carbide burr is packed individually in a plastic case.

## UNDERSTANDING THE PRODUCT

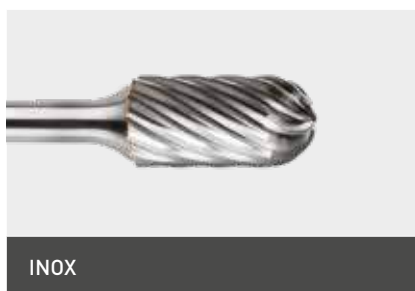


### BURR DIMENSIONS & DESCRIPTION

|                            |                |   |                |                |   |                          |           |
|----------------------------|----------------|---|----------------|----------------|---|--------------------------|-----------|
| A 16,0 x 25,0 6 x 65 DTECH |                |   |                |                |   |                          |           |
| SHAPE                      | HEAD DIAMETER  | X | HEAD LENGTH    | SHANK DIAMETER | X | OVERALL BURR LENGTH (OL) | CUT STYLE |
|                            | D <sub>1</sub> |   | L <sub>1</sub> | D <sub>2</sub> |   | L <sub>2</sub>           |           |

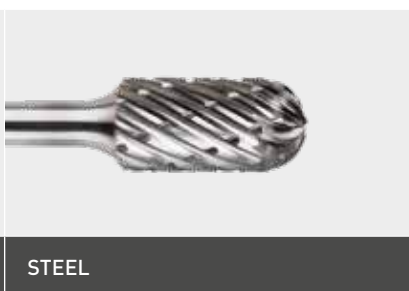
## CARBIDE BURRS

### CUT STYLES



INOX

Developed cutting geometry - generating high stock removal on stainless steel and on Ferritic, Austenitic & Martensitic based materials, ensuring production savings and reduced downtime, reducing heat buildup at the cutting edge and work piece.



STEEL

Specially designed geometry to suit growing market demands for steel and cast steel applications, producing large chips with increased stock removal.



DTECH Double Cut Extra

Better stock removal. Stronger tooth formation (decreased tooth wedge angle) longer tool life and reduced chipping.



D Double Cut

Universal cutting style, fast material removal, smooth finish and granular chip break.



ALU Aluminium Special

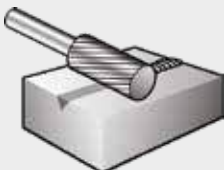
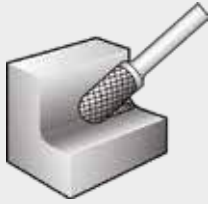
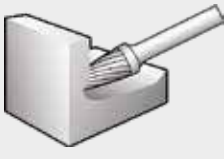
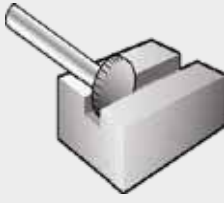
For deburring of aluminium alloys & plastic wide tooth formation, easy chip flow.

### PRODUCT RECOMMENDATION GUIDE

Highly recommended ●  
Recommended ○

|                       | INOX | STEEL | DTECH<br>DOUBLE CUT<br>EXTRA | D<br>DOUBLE CUT | ALU<br>ALUMINIUM<br>SPECIAL |
|-----------------------|------|-------|------------------------------|-----------------|-----------------------------|
| Stainless steel       | ●    |       | ○                            |                 |                             |
| Hardened steel        |      | ●     | ○                            |                 |                             |
| Cast Iron             |      |       | ●                            | ○               |                             |
| Titanium              |      |       |                              | ●               |                             |
| Nickel                |      |       |                              | ●               |                             |
| Copper/ copper alloys |      |       |                              | ●               |                             |
| Aluminium             |      |       |                              |                 | ●                           |
| Plastics / wood       |      |       |                              |                 | ●                           |

## APPLICATION BY SHAPE

|                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |
| <b>A</b> Cylinder                                                                   | <b>B</b> Cylinder with end cut                                                      | <b>C</b> Ball nosed cylinder                                                          |
|    |    |    |
| <b>D</b> Ball                                                                       | <b>E</b> Oval                                                                       | <b>F</b> Ball nosed tree                                                              |
|   |   |   |
| <b>G</b> Tree                                                                       | <b>H</b> Flame                                                                      | <b>J</b> Countersink 60° *                                                            |
|  |  |  |
| <b>K</b> Countersink 90° *                                                          | <b>L</b> Ball nosed cone                                                            | <b>M</b> Cone                                                                         |
|  |  |                                                                                       |
| <b>H</b> Inverted cone *                                                            | <b>J</b> Cylinder with end cut                                                      |                                                                                       |

\* Made-to-order

\* Made-to-order

\* Made-to-order

## CARBIDE BURRS

### FOR STAINLESS STEEL **+++++**

- Cut INOX style for high stock removal on stainless steel
- Reduced heat generation on the workpiece
- Aggressive cut creates large chips for a faster finish
- Work faster with reduced downtime for production savings



| PRODUCT SHAPE                                                                       | D <sub>1</sub> xL <sub>1</sub> xD <sub>2</sub> xL <sub>2</sub> (mm) | PK QTY | ARTICLE NO. | PRICE   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------|-------------|---------|
| <b>A CYLINDER</b>                                                                   |                                                                     |        |             |         |
|    | 6x18x6x50                                                           | 1      | 66261121900 | £000.00 |
|                                                                                     | 8x19x6x64                                                           | 1      | 66261121901 | £000.00 |
|                                                                                     | 10x19x6x64                                                          | 1      | 66261121902 | £000.00 |
|                                                                                     | 13x25x6x70                                                          | 1      | 66261121911 | £000.00 |
| <b>C BALL NOSED CYLINDER</b>                                                        |                                                                     |        |             |         |
|    | 6x18x6x50                                                           | 1      | 66261121912 | £000.00 |
|                                                                                     | 8x19x6x64                                                           | 1      | 66261121920 | £000.00 |
|                                                                                     | 10x19x6x64                                                          | 1      | 66261121921 | £000.00 |
|                                                                                     | 13x25x6x70                                                          | 1      | 66261121922 | £000.00 |
| <b>D BALL</b>                                                                       |                                                                     |        |             |         |
|  | 6x5x6x50                                                            | 1      | 66261122103 | £000.00 |
|                                                                                     | 8x6x6x52                                                            | 1      | 66261122107 | £000.00 |
|                                                                                     | 10x8x6x54                                                           | 1      | 66261122108 | £000.00 |
|                                                                                     | 13x11x6x56                                                          | 1      | 66261122109 | £000.00 |
| <b>F BALL NOSED TREE</b>                                                            |                                                                     |        |             |         |
|  | 6x18x6x50                                                           | 1      | 66261122110 | £000.00 |
|                                                                                     | 8x20x6x65                                                           | 1      | 66261122111 | £000.00 |
|                                                                                     | 13x25x6x70                                                          | 1      | 66261122115 | £000.00 |
| <b>G TREE</b>                                                                       |                                                                     |        |             |         |
|  | 8x19x6x64                                                           | 1      | 66261122118 | £000.00 |
|                                                                                     | 13x25x6x70                                                          | 1      | 66261122120 | £000.00 |
| <b>L BALL NOSED CONE</b>                                                            |                                                                     |        |             |         |
|  | 8x25x6x70                                                           | 1      | 66261122122 | £000.00 |
|                                                                                     | 13x32x6x77                                                          | 1      | 66261122125 | £000.00 |
| <b>INOX KIT</b>                                                                     |                                                                     |        |             |         |
|  | A 13x25x6x70                                                        | 1      | 66261122126 | £000.00 |
|                                                                                     | C 13x25x6x70                                                        | 1      |             |         |
|                                                                                     | F 13x25x6x70                                                        | 1      |             |         |
|                                                                                     | G 13x25x6x70                                                        | 1      |             |         |
|                                                                                     | L 13x32x6x77                                                        | 1      |             |         |

## FOR STEEL **+++++**

- Cut STEEL style for best results on steel
- Reduced heat generation on the workpiece
- Aggressive cut creates large chips for a faster finish
- Work faster with reduced downtime for production savings



| PRODUCT SHAPE                                                                       | D <sub>1</sub> xL <sub>1</sub> xD <sub>2</sub> xL <sub>2</sub> (mm) | PK QTY | ARTICLE NO. | PRICE   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------|-------------|---------|
| <b>B CYLINDER WITH END CUT</b>                                                      |                                                                     |        |             |         |
|    | 6x18x6x50                                                           | 1      | 66261121688 | £000.00 |
|                                                                                     | 10x19x6x64                                                          | 1      | 66261121692 | £000.00 |
|                                                                                     | 13x25x6x70                                                          | 1      | 66261121694 | £000.00 |
| <b>C BALL NOSED CYLINDER</b>                                                        |                                                                     |        |             |         |
|    | 6x18x6x50                                                           | 1      | 66261121748 | £000.00 |
|                                                                                     | 8x19x6x64                                                           | 1      | 66261121749 | £000.00 |
|                                                                                     | 10x19x6x64                                                          | 1      | 66261121750 | £000.00 |
|                                                                                     | 13x25x6x70                                                          | 1      | 66261121751 | £000.00 |
| <b>D BALL</b>                                                                       |                                                                     |        |             |         |
|  | 6x5x6x50                                                            | 1      | 66261121753 | £000.00 |
|                                                                                     | 8x6x6x52                                                            | 1      | 66261121755 | £000.00 |
|                                                                                     | 10x8x6x54                                                           | 1      | 66261121756 | £000.00 |
| <b>F BALL NOSED TREE</b>                                                            |                                                                     |        |             |         |
|  | 6x18x6x50                                                           | 1      | 66261121759 | £000.00 |
|                                                                                     | 8x20x6x65                                                           | 1      | 66261121760 | £000.00 |
|                                                                                     | 10x19x6x64                                                          | 1      | 66261121747 | £000.00 |
|                                                                                     | 13x25x6x70                                                          | 1      | 66261121762 | £000.00 |
| <b>G TREE</b>                                                                       |                                                                     |        |             |         |
|  | 8x19x6x64                                                           | 1      | 66261121764 | £000.00 |
|                                                                                     | 10x19x6x64                                                          | 1      | 66261121765 | £000.00 |
|                                                                                     | 13x25x6x70                                                          | 1      | 66261121766 | £000.00 |
| <b>L BALL NOSED CONE</b>                                                            |                                                                     |        |             |         |
|  | 10x30x6x76                                                          | 1      | 66261121768 | £000.00 |
|                                                                                     | 13x32x6x77                                                          | 1      | 66261121769 | £000.00 |
| <b>STEEL KIT</b>                                                                    |                                                                     |        |             |         |
|  | A 13x25x6x70                                                        | 1      | 66261121783 | £000.00 |
|                                                                                     | C 13x25x6x70                                                        | 1      |             |         |
|                                                                                     | F 13x25x6x70                                                        | 1      |             |         |
|                                                                                     | G 13x25x6x70                                                        | 1      |             |         |
|                                                                                     | L 13x32x6x77                                                        | 1      |             |         |



## FOR CAST IRON &amp; SOFT STEELS

DOUBLE CUT EXTRA COATED **+++++**

- 'DTECH' Double cut EXTRA style, coated with TiLAN (titanium aluminium nitride) for better sliding characteristics
- Reduced heat generation on the workpiece
- Excellent chip removal and reduced wear of teeth
- Reduces cutting pressure required due to improved lubrication

DOUBLE CUT EXTRA **++++**

- 'DTECH' Double cut EXTRA cut style
- Good stock removal & strong tooth formation thanks to decreased tooth wedge angle
- Longer tool life and reduced chipping
- A number of sizes available for a variety of applications

| PRODUCT SHAPE                                                                       | D <sub>1</sub> xL <sub>1</sub> xD <sub>2</sub> xL <sub>2</sub> (mm) | PK QTY | DOUBLE CUT<br>EXTRA COATED |         | DOUBLE CUT<br>EXTRA |         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------|----------------------------|---------|---------------------|---------|
| B CYLINDER WITH END CUT                                                             |                                                                     |        |                            |         |                     |         |
|    | 6x5x6x150                                                           | 1      | -                          | -       | 07660739844*        | £000.00 |
|                                                                                     | 6x5,4x6x50                                                          | 1      | -                          | -       | 60157638174         | £000.00 |
| C BALL NOSED CYLINDER                                                               |                                                                     |        |                            |         |                     |         |
|  | 3x13x3x38                                                           | 1      | -                          | -       | 07660739841         | £000.00 |
|                                                                                     | 6x13x6x162                                                          | 1      | -                          | -       | 60157638175         | £000.00 |
| F BALL NOSED TREE                                                                   |                                                                     |        |                            |         |                     |         |
|  | 6x5,4x6x50                                                          | 1      | 69957383321*               | £000.00 | 63642587067         | £000.00 |
| L BALL NOSED CONE                                                                   |                                                                     |        |                            |         |                     |         |
|  | 10x9x6x53                                                           | 1      | 69957383279                | £000.00 | 07660707832         | £000.00 |

\* Made-to-order

## DOUBLE CUT EXTRA KITS FOR SPECIAL APPLICATIONS

| KIT                                                                               | SHAPE | D <sub>1</sub> xL <sub>1</sub> xD <sub>2</sub> xL <sub>2</sub> (mm) | PK QTY | ARTICLE NO. | PRICE   |
|-----------------------------------------------------------------------------------|-------|---------------------------------------------------------------------|--------|-------------|---------|
|  | A     | 10x19x6x65                                                          | 1      | 7660739870* | £000.00 |
|                                                                                   | A     | 12x25x6x70                                                          | 1      |             |         |
|                                                                                   | C     | 10x19x6x65                                                          | 1      |             |         |
|                                                                                   | C     | 12x25x6x70                                                          | 1      |             |         |
|                                                                                   | L     | 12x30x6x75                                                          | 1      |             |         |
|                                                                                   | E     | 10x16x6x60                                                          | 1      |             |         |
|                                                                                   | G     | 10x19x6x65                                                          | 1      |             |         |
|                                                                                   | G     | 12x25x6x70                                                          | 1      |             |         |
|                                                                                   | D     | 12x10,8x6x55                                                        | 1      |             |         |
|                                                                                   | F     | 12x25x6x70                                                          | 1      |             |         |
|  | C     | 12x25x6x70                                                          | 1      | 66254428281 | £000.00 |
|                                                                                   | D     | 10x9x6x53                                                           | 1      |             |         |
|                                                                                   | F     | 12x25x6x70                                                          | 1      |             |         |
|                                                                                   | L     | 12x30x6x75                                                          | 1      |             |         |

\* Made-to-order

## FOR TITANIUM, NICKEL, COPPER &amp; COPPER ALLOYS

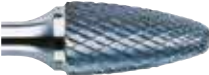
DOUBLE CUT EXTRA COATED **+++++**

- "D" Double cut style, coated with TiLAN (titanium aluminium nitride) for better sliding characteristics
- Universal cutting style for fast material removal, smooth finish & granular chip break
- Excellent chip removal and reduced wear of teeth
- Reduces cutting pressure required due to improved lubrication

BDX DOUBLE CUT **+++**

- Unique geometry improves operator control and reduces the size of chips.
- Increased cut rate and longer life on tough applications.
- "D" Double cut style.
- Universal cutting style for fast material removal

| PRODUCT SHAPE                                                                       | D <sub>1</sub> xL <sub>1</sub> ,xD <sub>2</sub> xL <sub>2</sub><br>(mm) | PK<br>QTY | DOUBLE CUT<br>EXTRA COATED |         | BDX DOUBLE CUT<br>+++ |         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------|----------------------------|---------|-----------------------|---------|
| A CYLINDER                                                                          |                                                                         |           |                            |         |                       |         |
|   | 3x13x3x38                                                               | 1         | -                          | -       | 63642586518           | £000.00 |
|                                                                                     | 6x19x6x50                                                               | 1         | -                          | -       | 66261146394           | £000.00 |
|                                                                                     | 8x19x6x65                                                               | 1         | -                          | -       | 66261146396           | £000.00 |
|                                                                                     | 10x19x6x65                                                              | 1         | -                          | -       | 66261146496           | £000.00 |
|                                                                                     | 10x25x6x162                                                             | 1         | -                          | -       | 63642535764           | £000.00 |
|                                                                                     | 12x25x6x70                                                              | 1         | 69957383219                | £000.00 | 66261146497           | £000.00 |
|                                                                                     | 16x25x6x70                                                              | 1         | -                          | -       | 60157638148           | £000.00 |
| B CYLINDER WITH END CUT                                                             |                                                                         |           |                            |         |                       |         |
|  | 3x13x3x38                                                               | 1         | -                          | -       | 60157638140           | £000.00 |
|                                                                                     | 6x19x6x50                                                               | 1         | -                          | -       | 63642586641           | £000.00 |
|                                                                                     | 8x19x6x65                                                               | 1         | -                          | -       | 7660707804            | £000.00 |
|                                                                                     | 8x19x6x175                                                              | 1         | -                          | -       | 63642535757           | £000.00 |
|                                                                                     | 10x19x6x65                                                              | 1         | -                          | -       | 66261146498           | £000.00 |
|                                                                                     | 12x25x6x70                                                              | 1         | -                          | -       | 66261146499           | £000.00 |
|                                                                                     | 16x25x6x70                                                              | 1         | -                          | -       | 66261146500           | £000.00 |
| C BALL NOSED CYLINDER                                                               |                                                                         |           |                            |         |                       |         |
|  | 3x13x3x38                                                               | 1         | -                          | -       | 63642586710           | £000.00 |
|                                                                                     | 6x13x6x162                                                              | 1         | -                          | -       | 63642535773           | £000.00 |
|                                                                                     | 6x16x6x80                                                               | 1         | -                          | -       | 66261197806           | £000.00 |
|                                                                                     | 6x19x6x50                                                               | 1         | 69957383234                | £000.00 | 66261146521           | £000.00 |
|                                                                                     | 8x19x6x65                                                               | 1         | -                          | -       | 66261146524           | £000.00 |
|                                                                                     | 10x19x6x65                                                              | 1         | -                          | -       | 66261146526           | £000.00 |
|                                                                                     | 12x19x6x65                                                              | 1         | -                          | -       | 60157638153           | £000.00 |
|                                                                                     | 12x25x6x70                                                              | 1         | 69957383241                | £000.00 | 66261146531           | £000.00 |
|                                                                                     | 16x25x6x70                                                              | 1         | -                          | -       | 66261146532           | £000.00 |

| PRODUCT SHAPE                                                                       | D <sub>1</sub> xL <sub>1</sub> xD <sub>2</sub> xL <sub>2</sub><br>(mm) | PK<br>QTY | DOUBLE CUT<br>EXTRA COATED |         | BDX DOUBLE CUT<br>+++ |         |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------|----------------------------|---------|-----------------------|---------|
| D BALL                                                                              |                                                                        |           |                            |         |                       |         |
|    | 6x5,4x6x50                                                             | 1         | -                          | -       | 66261146533           | £000.00 |
|                                                                                     | 8x7,2x6x52                                                             | 1         | -                          | -       | 66261146534           | £000.00 |
|                                                                                     | 10x9x6x53                                                              | 1         | 69957383279                | £000.00 | 66261146535           | £000.00 |
|                                                                                     | 12x10,8x6x55                                                           | 1         |                            |         | 66261146536           | £000.00 |
| E OVAL                                                                              |                                                                        |           |                            |         |                       |         |
|    | 6x10x6x50                                                              | 1         | -                          | -       | 63642586892           | £000.00 |
|                                                                                     | 10x16x6x60                                                             | 1         | -                          | -       | 60157638159           | £000.00 |
|                                                                                     | 12x22x6x67                                                             | 1         | -                          | -       | 60157638162           | £000.00 |
| F BALL NOSED TREE                                                                   |                                                                        |           |                            |         |                       |         |
|    | 6x16x6x50                                                              | 1         | 69957383296                | £000.00 | 66261146537           | £000.00 |
|                                                                                     | 6x18x6x150                                                             | 1         | -                          | -       | 66623391628           | £000.00 |
|                                                                                     | 8x20x6x150                                                             | 1         | -                          | -       | 66623382151           | £000.00 |
|                                                                                     | 10x19x6x65                                                             | 1         | -                          | -       | 66261146539           | £000.00 |
|                                                                                     | 12x25x6x70                                                             | 1         | 69957383301                | £000.00 | 66261146540           | £000.00 |
|                                                                                     | 12x25x8x70                                                             | 1         | -                          | -       | 60157638172           | £000.00 |
|                                                                                     | 16x25x6x70                                                             | 1         | -                          | -       | 66261146541           | £000.00 |
| G TREE                                                                              |                                                                        |           |                            |         |                       |         |
|  | 3x12x3x38                                                              | 1         |                            |         | 60157638163           | £000.00 |
|                                                                                     | 6x16x6x50                                                              | 1         | 69957383305                | £000.00 | 66261146542           | £000.00 |
|                                                                                     | 10x19x6x65                                                             | 1         | 69957383307                | £000.00 | 66261146545           | £000.00 |
|                                                                                     | 12x25x6x70                                                             | 1         | -                          | -       | 66261146547           | £000.00 |
|                                                                                     | 16x25x6x70                                                             | 1         | -                          | -       | 66261146548           | £000.00 |
| H FLAME                                                                             |                                                                        |           |                            |         |                       |         |
|  | 8x19x6x65                                                              | 1         | -                          | -       | 60157638160           | £000.00 |
|                                                                                     | 12x32x6x77                                                             | 1         | 69957383312                | £000.00 | 63642587971           | £000.00 |
| L BALL NOSED CONE                                                                   |                                                                        |           |                            |         |                       |         |
|  | 6x16x6x50                                                              | 1         | -                          | -       | 60157638156           | £000.00 |
|                                                                                     | 8x19x6x69                                                              | 1         | -                          | -       | 66261146549           | £000.00 |
|                                                                                     | 10x27x6x75                                                             | 1         | -                          | -       | 66261146550           | £000.00 |
|                                                                                     | 12x30x6x75                                                             | 1         | 69957383320                | £000.00 | 66261146552           | £000.00 |
| M CONE                                                                              |                                                                        |           |                            |         |                       |         |
|  | 6x19x6x50                                                              | 1         | -                          | -       | 63642587137           | £000.00 |
|                                                                                     | 10x16x6x65                                                             | 1         | -                          | -       | 63642587133           | £000.00 |
|                                                                                     | 12x22x6x70                                                             | 1         | -                          | -       | 60157638149           | £000.00 |

# MINI CARBIDE BURRS KITS

| KIT                                                                                                                               | SHAPE | D <sub>1</sub> xL <sub>1</sub> xD <sub>2</sub> xL <sub>2</sub> (mm) | PK QTY | ARTICLE NO. | PRICE   |
|-----------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------|--------|-------------|---------|
| MINI BURRS KIT x10<br>CUT D NORTON<br>           | A     | 3x13x3x38                                                           | 1      | 7660708056  | £000.00 |
|                                                                                                                                   | B     | 3x13x3x38                                                           | 1      |             |         |
|                                                                                                                                   | M     | 3x11x3x38                                                           | 1      |             |         |
|                                                                                                                                   | C     | 3x13x3x38                                                           | 1      |             |         |
|                                                                                                                                   | L     | 3x8x3x38                                                            | 1      |             |         |
|                                                                                                                                   | H     | 3x8x3x38                                                            | 1      |             |         |
|                                                                                                                                   | E     | 3x6x3x38                                                            | 1      |             |         |
|                                                                                                                                   | G     | 3x13x3x38                                                           | 1      |             |         |
|                                                                                                                                   | D     | 3x2,7x3x39                                                          | 1      |             |         |
|                                                                                                                                   | F     | 3x13x3x38                                                           | 1      |             |         |
| MINI BURRS KIT x 5 CUT D<br>                     | A     | 10x19x6x65                                                          | 1      | 63642553618 | £000.00 |
|                                                                                                                                   | C     | 12x25x6x70                                                          | 1      |             |         |
|                                                                                                                                   | F     | 12x25x6x70                                                          | 1      |             |         |
|                                                                                                                                   | G     | 10x19x6x65                                                          | 1      |             |         |
|                                                                                                                                   | L     | 12x30x6x75                                                          | 1      |             |         |
| MINI BURRS KIT x 5<br>BRASS, BRONZE, COPPER<br> | C     | 12x25x6x70                                                          | 1      | 66254428265 | £000.00 |
|                                                                                                                                   | D     | 10x9x6x53                                                           | 1      |             |         |
|                                                                                                                                   | F     | 12x25x6x70                                                          | 1      |             |         |
|                                                                                                                                   | L     | 12x30x6x75                                                          | 1      |             |         |
| <b>NEW</b> DOUBLE CUT KIT<br>                  | B     | 10x19x6x65                                                          | 1      | 69957365977 | £000.00 |
|                                                                                                                                   | C     | 10x19x6x65                                                          | 1      |             |         |
|                                                                                                                                   | D     | 10x9x6x53                                                           | 1      |             |         |
|                                                                                                                                   | E     | 10x16x6x60                                                          | 1      |             |         |
|                                                                                                                                   | G     | 10x19x6x65                                                          | 1      |             |         |





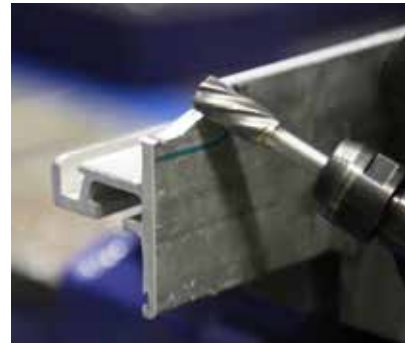
## FOR CAST IRON & SOFT STEELS

### ALU COATED **+++++**

- 'ALU' cut style, coated with TiLAN (titanium aluminium nitride) for better sliding characteristics
- Reduced heat generation on the workpiece
- Excellent chip removal and reduced wear of teeth
- Reduces cutting pressure required due to improved lubrication

### ALU **++++**

- 'ALU' cut style, for de-burring aluminium alloys and plastic
- A number of sizes available for a variety of applications
- Wide tooth formation for easy chip flow



| PRODUCT SHAPE                                                                       | D <sub>1</sub> xL <sub>1</sub> xD <sub>2</sub> xL <sub>2</sub> (mm) | PK QTY | ALU COATED  |         | ALU         |         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------|-------------|---------|-------------|---------|
| A CYLINDER                                                                          |                                                                     |        |             |         |             |         |
|    | 10x19x6x65                                                          | 1      | -           | -       | 60157638195 | £000.00 |
|                                                                                     | 12x25x6x70                                                          | 1      | -           | -       | 63642586517 | £000.00 |
| B CYLINDER WITH END CUT                                                             |                                                                     |        |             |         |             |         |
|  | 10x19x6x65                                                          | 1      | -           | -       | 07660739845 | £000.00 |
| C BALL NOSED CYLINDER                                                               |                                                                     |        |             |         |             |         |
|  | 10x19x6x65                                                          | 1      | -           | -       | 60157638182 | £000.00 |
|                                                                                     | 12x25x6x70                                                          | 1      | 69957383278 | £000.00 | 07660707846 | £000.00 |
| F BALL NOSED TREE                                                                   |                                                                     |        |             |         |             |         |
|  | 10x19x6x65                                                          | 1      | -           | £000.00 | 63642586951 | £000.00 |
|                                                                                     | 12x25x6x70                                                          | 1      | 69957383303 | £000.00 | 60157638181 | £000.00 |
| L BALL NOSED CONE                                                                   |                                                                     |        |             |         |             |         |
|  | 6x16x6x50                                                           | 1      | -           | -       | 63642587095 | £000.00 |
|                                                                                     | 12x30x6x75                                                          | 1      | 69957383325 | £000.00 | 63642587101 | £000.00 |

### ALU BURR KIT FOR CAST IRON & SOFT STEELS **++++**

| KIT                                                                                 | SHAPE | D <sub>1</sub> xL <sub>1</sub> xD <sub>2</sub> xL <sub>2</sub> (mm) | PK QTY | ARTICLE NO. | PRICE   |
|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------|--------|-------------|---------|
|  | C     | 12x25x6x70                                                          | 1      | 66254428260 | £000.00 |
|                                                                                     | D     | 10x9x6x53                                                           | 1      |             |         |
|                                                                                     | F     | 12x25x6x70                                                          | 1      |             |         |
|                                                                                     | L     | 12x30x6x75                                                          | 1      |             |         |

\* Made-to-order

RECOMMENDED OPERATING SPEEDS (RPM)

| MATERIAL TYPE          | PRODUCT DIAMETER |             |             |             |             |
|------------------------|------------------|-------------|-------------|-------------|-------------|
|                        | 3mm              | 6mm         | 10mm        | 12mm        | 16mm        |
| Steel                  | 60000-90000      | 45000-60000 | 30000-40000 | 22500-30000 | 18000-24000 |
| Tempered steel         | 60000-90000      | 30000-45000 | 19000-30000 | 15000-22500 | 12000-18000 |
| Stainless steel        | 60000-90000      | 30000-45000 | 19000-30000 | 15000-22500 | 12000-18000 |
| Casting                | 45000-90000      | 22500-60000 | 15000-40000 | 11000-30000 | 9000-24000  |
| Titanium               | 60000-90000      | 30000-45000 | 19000-30000 | 15000-22500 | 12000-18000 |
| Nickel                 | 60000-90000      | 30000-45000 | 19000-30000 | 15000-22500 | 12000-18000 |
| Copper & copper alloys | 45000-90000      | 22500-60000 | 15000-40000 | 11000-30000 | 9000-24000  |
| Aluminium              | 30000-90000      | 15000-70000 | 10000-50000 | 7000-38000  | 6000-30000  |
| Plastics               | 30000-90000      | 15000-70000 | 10000-50000 | 7000-38000  | 6000-30000  |
| Carbon or glass fibers | 64000-117000     | 32000-59000 | 19000-35000 | 16000-30000 | 12000-22000 |

Recommended speeds are for standard shank length of 45mm, maximum overhang 10mm.  
Maximum recommended speed for extra long burrs is 15000 RPM.

RECOMENDATIONS FOR USE

- It may be necessary to adjust the rates shown to achieve optimum performance
- Running below the optimum speed will encourage chipping
- Harder materials or sticky metals such as, titanium, require slower speeds
- Running above optimum speed will cause tooth wear
- Smaller burrs require faster speeds
- Allowing the tool to become too hot may cause the braze to melt and detach the head of the shank
- Apply constant movement and light pressure when in use
- Do not sink the burr for more than one third of its periphery



## NORTON NORBEVEL

New Norton **NorBevel-6** and **NorBevel-12** machines are a revolution in beveling and rounding metal!

Norton now offers two new machine ranges, compact and ergonomic, electric and the pneumatic to make beveling and rounding metal easier, faster, more accurate and more cost effective. The NorBevel concept has been designed for heavy-duty beveling and radius work, beveling up to a depth of 12 mm.



## FOR **BEVELLING**, NORBEVEL PROVIDES:

### BETTER WORKING CONDITIONS

Lightweight and almost vibration-free. The chips are large enough to immediately drop to the ground. No hazardous dust particles and/or combustion gases are released.

### A MORE CONSISTENT AND ACCURATE ANGLE

NorBevel-6 and NorBevel-12 machines provide a more consistent and accurate angle to the metal for a stronger welded joint.

### A MACHINE QUALITY FINISH WITHOUT CONTAMINATION

A better quality weld joint is created through reduced encapsulation of impurities in the weld, as NorBevel does not contaminate the metal.

### SPEED AND FLEXIBILITY

Approximately 1.2m of beveling can be done in one minute. In a matter of seconds the machine can be adjusted and the bevel heads replaced.

### NO FINISHING AND NO DISCOLORATION

A perfect end result straight away, without finishing. Discoloration is prevented through reduced-sparking that adds hardly any heat to the material.

## FOR **ROUNDING**, NORBEVEL PROVIDES:

### UNIFORM QUALITY

A larger bonding surface is created for paint and coatings due to the uniform radius. Cable feed glands are no longer required to prevent chafing when feeding through cables, wiring and/or piping.

### A QUALITY FINISH

Only with NorBevel you can quickly achieve high levels of constant quality when rounding metal.

### SPEED AND FLEXIBILITY

Rounding small openings from a diameter of 18 mm is easy due to the compact and lightweight machine design. Rounding metal now has an unprecedented degree of flexibility.



## NORTON NORBEVEL-12 RANGE

The NorBevel 12 models have been designed for heavy duty beveling and radius work, beveling up to a depth of 12 mm. Both the EBA-12 and ABA-12 models have powerful motors, adjustable heads for adapting beveling depth, and come in a convenient travel case with adaptor. The electric version, EBA-12 has a variable speed switch for greater control.

### NORBEVEL EBA-12 ELECTRIC

- Bevel radius: R2, R3, R4, R5, R6, R8
- Bevel angle: 15°, 22,5°, 30°, 37,5°, 45°, 60°
- Electric Motor: 1.53kw
- Voltage: 230V / 120V
- Speed: 10.500 rpm
- Weight: 4,5kg

| MAX. BEVEL DEPTH | MIN. PIPE / OPENING DIA | ART NO.     | PRICE   |
|------------------|-------------------------|-------------|---------|
| 12mm             | 41mm                    | 66261107700 | £000.00 |



Bevel head with depth adjustment



Variable speed setting

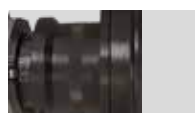


Supplied in a convenient case

### NORBEVEL ABA-12 PNEUMATIC

- Bevel radius: R2, R3, R4, R5, R6, R8
- Bevel angle: 15°, 22,5°, 30°, 37,5°, 45°, 60°
- Power: 2 PK / 1,48kw
- Air pressure: 6 bar
- Air consumption: 1100 ltr / min
- Speed: 10.000 rpm
- Weight: 5,66 kg

| MAX. BEVEL DEPTH | MIN. PIPE / OPENING DIA | ART NO.     | PRICE   |
|------------------|-------------------------|-------------|---------|
| 12mm             | 41mm                    | 66261107706 | £000.00 |



Bevel head with depth adjustment



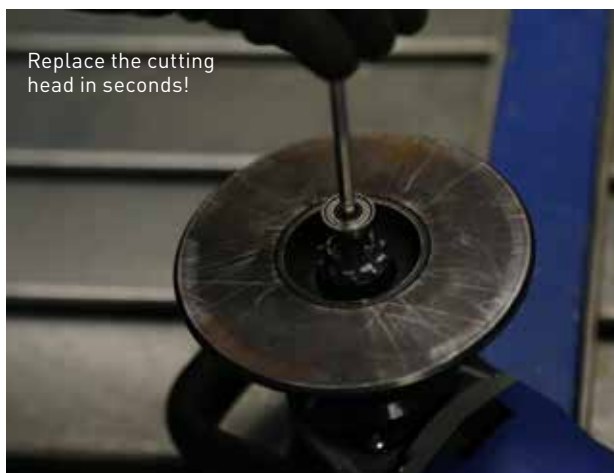
Safety lever



Supplied in a convenient case

## HEADS FOR NORBEVEL-12 (ELECTRIC AND PNEUMATIC)

| MAX DEPTH<br>(mm)                                                                         | RADIUS /<br>ANGLE | PK<br>QTY | LASER-CUT STEEL<br>& STAINLESS STEEL |         | STEEL       |         | ALUMINIUM, PLASTIC,<br>BRASS & SOFT METALS |         |
|-------------------------------------------------------------------------------------------|-------------------|-----------|--------------------------------------|---------|-------------|---------|--------------------------------------------|---------|
| 8mm<br>  | R2                | 1         | 66261136479                          | £000.00 | 66261107707 | £000.00 | 66261113318                                | £000.00 |
|                                                                                           | R3                | 1         | 66261136480                          | £000.00 | 66261107799 | £000.00 | 66261113319                                | £000.00 |
|                                                                                           | R4                | 1         | -                                    | -       | 66261107801 | £000.00 | 66261113320                                | £000.00 |
|                                                                                           | R5                | 1         | 66261152485                          | £000.00 | -           | -       | -                                          | -       |
|                                                                                           | R8                | 1         | 66261152489                          | £000.00 | -           | -       | 66261152484                                | £000.00 |
| 8mm<br>  | 30°               | 1         | 66261146205                          | £000.00 | 66261107805 | £000.00 | 66261113321                                | £000.00 |
|                                                                                           | 37,5°             | 1         | -                                    | -       | 66261107806 | £000.00 | -                                          | -       |
|                                                                                           | 45°               | 1         | 66261136503                          | £000.00 | 66261107809 | £000.00 | 66261113323                                | £000.00 |
|                                                                                           | 15°               | 1         | -                                    | -       | -           | -       | -                                          | -       |
| 12mm<br> | 22,5°             | 1         | -                                    | -       | 66261107840 | £000.00 | -                                          | -       |
|                                                                                           | 30°               | 1         | 66261146212                          | £000.00 | 66261107841 | £000.00 | 66261146169                                | £000.00 |
|                                                                                           | 37,5°             | 1         | -                                    | -       | 66261107843 | £000.00 | -                                          | -       |
|                                                                                           | 45°               | 1         | 66261146216                          | £000.00 | 66261107844 | £000.00 | 66261146171                                | £000.00 |
|                                                                                           | 60°               | 1         | -                                    | -       | 66261107845 | £000.00 | -                                          | -       |



Recommended maximum cut depth  
is 4mm per pass





## NORTON NORBEVEL- 6 RANGE

For lighter bevelling and rounding to a depth of 6 mm, the NorBevel-6 machines are compact, maneuverable, and available in two super light weight models, with electric and pneumatic motors. The Premium version can be used for more precise depth adjustment of 0.1 mm. Spindle lock for a lighter and quicker change of NorBevel heads, only one allen key is required.

### NORBEVEL EBI-6 **+++++** ELECTRIC PREMIUM

- Bevel radius: R2, R3, R4
- Bevel angle: 15°, 22,5°, 30°, 37,5°, 45°, 60°
- Electric Motor: 500 W
- Voltage: 230V / 120V
- Speed: 11.000 rpm
- Weight: 2.0kg



| MAX. BEVEL DEPTH | MIN. PIPE / OPENING DIA | ART NO.     | PRICE   |
|------------------|-------------------------|-------------|---------|
| 6mm              | 22mm                    | 66261126777 | €000.00 |



Variable speed settings



Easy to adjust cutting depth



Supplied in a convenient case

### NORBEVEL EBI-6 **+++** ELECTRIC

- Bevel radius: R2, R3, R4
- Bevel angle: 15°, 22,5°, 30°, 37,5°, 45°, 60°
- Electric Motor: 500 W
- Voltage: 230V / 120V
- Speed: 11.000 rpm
- Weight: 1.6kg



| MAX. BEVEL DEPTH | MIN. PIPE / OPENING DIA | ART NO.     | PRICE   |
|------------------|-------------------------|-------------|---------|
| 6mm              | 22mm                    | 66261107846 | €000.00 |



Variable speed settings



Easy to use

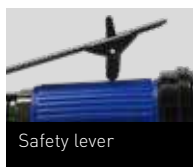


Supplied in a convenient case

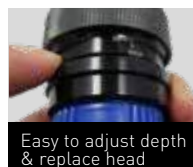
## NORBEVEL ABIS-6 **+++++** PNEUMATIC PREMIUM

- Bevel radius: R2, R3, R4
- Bevel angle: 15°, 22,5°, 30°, 37,5°, 45°, 60°
- Power: 8 PK / 0.38 kw
- Air pressure: 6 bar
- Air consumption: 310 ltr / min
- Speed: 25.000 rpm
- Weight: 1,1 kg

| MAX. BEVEL DEPTH | MIN. PIPE / OPENING DIA | ART NO.     | PRICE   |
|------------------|-------------------------|-------------|---------|
| 6mm              | 22mm                    | 66261129888 | £000.00 |



Safety lever



Easy to adjust depth & replace head



Supplied in a convenient case

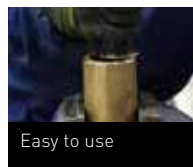
## NORBEVEL EBI-6 **+++** PNEUMATIC

- Bevel radius: R2, R3, R4
- Bevel angle: 15°, 22,5°, 30°, 37,5°, 45°, 60°
- Power: 8 PK / 0.38 kw
- Air pressure: 6 bar
- Air consumption: 310 ltr / min
- Speed: 25.000 rpm
- Weight: 0.8 kg

| MAX. BEVEL DEPTH | MIN. PIPE / OPENING DIA | ART NO.     | PRICE   |
|------------------|-------------------------|-------------|---------|
| 6mm              | 22mm                    | 66261107847 | £000.00 |



Safety lever



Easy to use



Supplied in a convenient case

## HEADS FOR NORBEVEL-06 (ELECTRIC AND PNEUMATIC)

| MAX DEPTH<br>(mm)                                                                   | RADIUS /<br>ANGLE | PK<br>QTY | LASER-CUT STEEL<br>& STAINLESS STEEL |         | STEEL       |         | ALUMINIUM, PLASTIC,<br>BRASS & SOFT METALS |         |
|-------------------------------------------------------------------------------------|-------------------|-----------|--------------------------------------|---------|-------------|---------|--------------------------------------------|---------|
|  | R2                | 1         | 66261136486                          | £000.00 | 66261107851 | £000.00 | 66261113306                                | £000.00 |
|                                                                                     | R3                | 1         | 66261136502                          | £000.00 | 66261107852 | £000.00 | 66261113309                                | £000.00 |
|                                                                                     | R4                | 1         | 66261146174                          | £000.00 | 66261107853 | £000.00 | 66261113310                                | £000.00 |
|  | 30°               | 1         | 66261146179                          | £000.00 | 66261107856 | £000.00 | 66261113311                                | £000.00 |
|                                                                                     | 45°               | 1         | 66261136504                          | £000.00 | 66261107858 | £000.00 | 66261113312                                | £000.00 |
|                                                                                     | 60°               | 1         | -                                    | -       | 66261107859 | £000.00 | -                                          | -       |



Recommended maximum cut depth is 4mm per pass



## STEEL WOOL

For cleaning a variety of materials and highlighting and rubbing wood. Washable and reusable. Won't rust, shred or splinter. Compatible with water based finishes. Synthetic Steel Wool is one of top NORTON quality items.

## STANDARD ++++

- Made from strands of ultra-fine steel filaments
- For use on wood, paint, metal, stone, marble & glass
- Can be used with a chemical stripper
- Ideal for cleaning & fine finishing



| WEIGHT | GRADE | PK QTY | ARTICLE NO. | PRICE   |
|--------|-------|--------|-------------|---------|
| 1kg    | 0000  | 12     | 63642593149 | £000.00 |
| 1kg    | 000   | 12     | 63642593151 | £000.00 |
| 1kg    | 00    | 12     | 63642593153 | £000.00 |
| 1kg    | 0     | 12     | 63642593154 | £000.00 |



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[www.nortonabrasives.com](http://www.nortonabrasives.com)  
[www.youtube.com/NortonAbrasiveSEMEA](http://www.youtube.com/NortonAbrasiveSEMEA)

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## ABRASIVE SOLUTIONS INDUSTRIAL APPLICATIONS

**2019**