

NORTON

SAINT-GOBAIN®

Reshaping
your
world®

RIGHT ANGLE GRINDER SOLUTIONS



SAINT-GOBAIN



INTRODUCTION

At Norton, we know everything there is to know about abrasives. Using our technical expertise and experience gained over many years of manufacturing and selling the full range of products for the metal fabrication market, including cutting-off and grinding wheels, flap and fibre discs and finishing and polishing products, we are best placed to help you understand the right solution for each stage of the application process.

This performance solution brochure for right angle grinder applications offers you products, recommendations and advice for working on a variety of metals, allowing you to be more productive and achieve a more profitable return on your investment. With this brochure, you will be able to:

- Match application needs and requirements to real solutions
- Understand our latest product innovations
- Choose a high performance or more economical product according to your application needs
- Follow a step-by-step process to achieve the best results at each stage

To see the products for yourself, training and demonstration opportunities are available and held in our Centre of Excellence facilities located across Europe.

For more information, contact your local sales representative.

The colour-coded chart of metal fabrication operations represents the eight key application processes found in metal fabrication today, where right angle grinders are most commonly used. It is referenced on each page, providing a 'best product' solution for each application to help you understand which one you need.

STEP-BY-STEP PROCESS		
1		CUTTING Cutting-disc for correct dimensioning.
2		HEAVY DUTY GRINDING Grinding disc to remove welds and burrs.
3		STOCK REMOVAL FLAP DISC Remove heavy weld seams and excess material. Long product life. FIBRE DISC Remove excess material from flat and contoured surfaces.
4		BLENDING & REFINING Impart a uniform finish.
5		DEBURRING Remove burrs, radiusing and break sharp edges.
6		SURFACE PREP & CLEANING Remove dirt, rust or corrosion and prepare surface prior to coating or welding.
7		FINISHING Reduce surface roughness, apply a cosmetic finish, prepare for polishing.
8		POLISHING Final step to provide a high gloss finish.

GRIT APPLICATION TABLE

The table below shows the grit overlap for each product type and every stage of the application process.

COARSE (GRINDING)					FINE (FINISHING)				
Grit or Grade	24	36	40	50	Extra Coarse 60	Coarse 80	Medium 120	Fine 150-180	Very Fine 180-240
Cutting & Grinding Discs	CUTTING								
	HEAVY DUTY GRINDING								
Coated & Non- Woven	STOCK REMOVAL								
					BLENDING & REFINING				
					DEBURRING				
							SURFACE PREPARATION & CLEANING		
								FINISHING	

UNDERSTANDING THE APPLICATION MATRIX

For each of the eight key application processes, the Application Matrix provides a product selection guide. Divided by material and cost requirement (performance or economy), the guide provides a recommendation for selecting the perfect product solution at every stage.

Application: _____
Identify your application from each of the eight colour-coded stages of the process.

Material: _____
Select from stainless steel, mild steel and aluminium, depending on your work material.

Product Requirement: _____
Choose between innovative products providing exceptionally high performance (red) and alternative economy (green) solutions.

Product Solution: _____
Our recommendation to direct you to the best product for your application needs.

PERFORMANCE PRODUCTS WORK OPTIMALLY ON TOOLS WITH HIGHER POWER, 1200W AND ABOVE.

RIGHT ANGLE GRINDER PROCESS

1

CUTTING

2

HEAVY DUTY GRINDING

3

STOCK REMOVAL

4

BLENDING & REFINING

5

DEBURRING

6

SURFACE PREP & CLEANING

PERFORMANCE

STAINLESS STEEL

ECONOMY

NEW NORTON QUANTUM3

- Reduced vibration for enhanced comfort and fatigue
- Sharper grain for a quicker cut
- Longer disc life reduces downtime and waste

NORTON VULC

- Good cutting performance
- Straight and qu

NEW NORTON QUANTUM3 INOX

- Ceramic grain for the highest material removal rate, fast
- Reduced vibration for enhanced comfort & fatigue
- Easy to steer and control

NORTON VULC

- Ideal for general p
- Good product life a
- Consistent perform

NORTON QUANTUM

- Ceramic abrasive for maximum performance
- Aggressive, consistent and cooler cut
- Long product life compared to standard discs

NEW NORTON QUANTUM R928 MP

- Ideal for mild to heavy duty applications on stainless steel

VORTEX RAPID BLEND

- Cut and finish with one disc
- Engineered grain removes light weld beads smoothly
- Long disc life and comfortable to use thanks to the non-woven structure

VORTEX RAPID PRE

- Good performance and life
- Open structure resists loading
- Can be used for application to finishing

VORTEX RAPID BLEND

- Vortex grain cuts in coarse grits and finishes in fine grades
- Clean bond technology prevents smearing and loading
- Creates a burr-free surface faster

RAPID PREP (SCM)

- Good performance
- Open structure resists loading
- Coarse grades available for de

BLAZE RAPID STRIP

- High performance C
- 24x

RIGHT ANGLE GRINDER PROCESS			STAINLESS STEEL	
			PERFORMANCE	ECONOMY
1		CUTTING	NEW NORTON QUANTUM3 <ul style="list-style-type: none"> Reduced vibration for enhanced comfort Sharper grain for a quicker cut Longer disc life reduces downtime and waste 	NORTON VULCAN <ul style="list-style-type: none"> Good cutting performance Straight and quick cuts
2		HEAVY DUTY GRINDING	NEW NORTON QUANTUM3 INOX <ul style="list-style-type: none"> Ceramic grain for the highest material removal rate Reduced vibration for enhanced comfort Easy to steer and control 	NORTON VULCAN <ul style="list-style-type: none"> Ideal for general purpose grinding Good product life and metal removal rate Consistent performance
3		STOCK REMOVAL	NORTON QUANTUM <ul style="list-style-type: none"> Ceramic abrasive for maximum performance Aggressive, consistent and cooler cut Long product life compared to standard discs 	NEW NORTON QUANTUM R928 MP NORZON FIBRE DISC F827 <ul style="list-style-type: none"> Ideal for mid to heavy duty applications on stainless steel High and regular cut rate NorZon abrasive with self-sharpening effect Good cut rate
4		BLENDING & REFINING	VORTEX RAPID BLEND <ul style="list-style-type: none"> Cut and finish with one disc Engineered grain removes light weld beads and spatter, deburrs and imparts a smooth finish Long disc life and comfortable to use 	VORTEX RAPID PREP (SCM) <ul style="list-style-type: none"> Good performance and life Open structure resists loading Can be used for applications from deburring to finishing
5		DEBURRING	VORTEX RAPID BLEND <ul style="list-style-type: none"> Vortex grain cuts in coarse grades and finishes in fine grades Clean bond technology prevents smearing and loading Creates a burr-free surface faster 	RAPID PREP (SCM) <ul style="list-style-type: none"> Good performance Open structure resists loading Coarse grades available for deburring
6		SURFACE PREP & CLEANING	BLAZE RAPID STRIP <ul style="list-style-type: none"> High performance Ceramic grain for 2x faster cut & longer life Surface condition, strip and clean with one disc, without gouging the surface 	RAPID STRIP <ul style="list-style-type: none"> Aggressive, controlled cut Easy cleaning without loading Ideal for general purpose use on a variety of metals
7		FINISHING	RAPID BLEND NEX-SF <ul style="list-style-type: none"> Imparts a high quality, shiny surface finish Ideal choice for finishing prior to polishing and paint preparation Open structure resists loading 	RAPID PREP (SCM) <ul style="list-style-type: none"> Medium to fine grades for finishing and pre-polishing
8		POLISHING	RAPID POLISH <ul style="list-style-type: none"> Felt wool polishing pad for a high shine finish Use with or without polishing compound or paste 	

MILD STEEL		ALUMINIUM	
PERFORMANCE	ECONOMY	PERFORMANCE	ECONOMY
NEW NORTON QUANTUM3 <ul style="list-style-type: none"> Reduced vibration for enhanced comfort & fatigue Sharper grain for a quicker cut Longer disc life reduces downtime and waste 	NORTON VULCAN <ul style="list-style-type: none"> Good cutting performance Straight and quick cuts 	NEW NORTON ALU <ul style="list-style-type: none"> No clogging, even on soft metal Sharp aluminium oxide grain for fast and clean cuts 	
NEW NORTON QUANTUM3 <ul style="list-style-type: none"> Ceramic grain for the highest material removal rate Significant savings in time and productivity High performance in rough applications 	NORTON VULCAN <ul style="list-style-type: none"> Ideal for general purpose grinding Good product life and metal removal rate Consistent performance 	NEW NORTON ALU <ul style="list-style-type: none"> Sharp aluminium oxide grain enables fast material removal Reduces clogging during grinding Achieves a smooth finish 	
NEW NORTON QUANTUM R928 MP <ul style="list-style-type: none"> Ceramic grain for excellent cut rate Supersize layer for a reduced heat generation on the workpiece 	NORZON FIBRE DISC F827 <ul style="list-style-type: none"> Good, regular cut rate NorZon grain is self sharpening for a consistent cut 	NORTON VULCAN ZIRCONIA <ul style="list-style-type: none"> Self sharpening Zirconia grain removes burrs and material quickly through life of the disc 	NORTON FIBRE DISC F100 <ul style="list-style-type: none"> Tough & versatile aluminium oxide abrasive fibre discs for processing steel and metal alloys
		NORTON VULCAN ZIRCONIA <ul style="list-style-type: none"> Self sharpening Zirconia grain removes burrs and material quickly through life of the disc 	NORZON FIBRE DISC F827 <ul style="list-style-type: none"> Aluminium oxide grain removes material removes stock easily from steel and metal alloys
VORTEX RAPID BLEND <ul style="list-style-type: none"> Cut and finish with one disc Engineered grain removes light weld beads and spatter, deburrs and can also impart a smooth finish Long disc life and comfortable to use thanks to the non-woven structure 	RAPID PREP (SCM) <ul style="list-style-type: none"> Good performance and life Open structure resists loading Can be used for applications from deburring to finishing 	VORTEX RAPID BLEND <ul style="list-style-type: none"> Cut and finish with one disc Engineered grain removes light weld beads and spatter, deburrs and imparts a smooth finish Long disc life and comfortable to use 	RAPID PREP (SCM) <ul style="list-style-type: none"> Good performance and life Open structure resists loading Various grades available for different blending styles
VORTEX RAPID BLEND <ul style="list-style-type: none"> Vortex grain cuts in coarse grits and finishes in fine grades Clean bond technology prevents smearing and loading Creates a burr-free surface faster 	RAPID PREP (SCM) <ul style="list-style-type: none"> Good performance Open structure resists loading Coarse grades available for deburring 	BEARTEX HIGH STRENGTH DISC <ul style="list-style-type: none"> Open structure prevents loading when deburring High strength nylon for conforms to contours for the life of the disc 	RAPID PREP (SCM) <ul style="list-style-type: none"> Good performance Open structure resists loading Coarse grades available for deburring
BLAZE RAPID STRIP <ul style="list-style-type: none"> High performance Ceramic grain for 2x faster cut & longer life Surface condition, strip and clean with one disc, without gouging the surface 	RAPID STRIP <ul style="list-style-type: none"> Aggressive, controlled cut Easy cleaning without loading Ideal for general purpose use on a variety of metals 	BEARTEX HIGH STRENGTH DISC <ul style="list-style-type: none"> Durable construction for fast surface preparation and cleaning Imparts a good surface for final finishing operations 	RAPID STRIP <ul style="list-style-type: none"> Aggressive, controlled cut Easy cleaning without loading Ideal for general purpose use on a variety of metals
RAPID BLEND NEX-SF <ul style="list-style-type: none"> Imparts a high quality, shiny surface finish Ideal choice for finishing prior to polishing and paint preparation Open structure resists loading 	VORTEX RAPID PREP (SCM) <ul style="list-style-type: none"> Medium to fine grades for finishing and pre-polishing 	RAPID BLEND NEX <ul style="list-style-type: none"> Imparts a high quality, shiny surface finish Ideal for finishing prior to polishing and paint preparation 	VORTEX RAPID PREP (SCM) <ul style="list-style-type: none"> Medium to fine grades for finishing and pre-polishing
RAPID POLISH <ul style="list-style-type: none"> Felt wool polishing pad for a high shine finish Use with or without polishing compound or paste 		RAPID POLISH <ul style="list-style-type: none"> Felt wool polishing pad for a high shine finish Use with or without polishing compound or paste 	

UNDERSTANDING THE PROCESS GUIDE

The process guide focusses on six common processes using an angle grinder in metal fabrication applications. It's designed to show you our highest performance products for each stage to demonstrate the most effective solution for your operations. Alternative economy solutions can be found in the product index starting on page 26.

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

STEP 1 HEAVY DUTY GRINDING

Remove the excess weld with a Norton Quantum3 or Vulcan grinding wheel at 30-45° angle. The grinding discs create a coarse surface finish so it's a good idea to leave a small amount of weld on the surface.

TOP TIP: Combo - Cut and Grind with one disc, maximum comfort and great alternative to regular grinding wheels.



PRODUCTS RECOMMENDATIONS

NORTON QUANTUM 3 / COMBO

PRODUCT TYPE	DIA (mm)	T x B (mm)	SPECIFICATION	PK QTY	ART NO.
Type 27	115	4.2x22.23	NQ24R	20	66253371356
	125	4.2x22.23	NQ24R	20	66253371357
	150	4.2x22.23	NQ24R	20	66253371358
	180	4.2x22.23	NQ24R	20	66253371359
	230	4.2x22.23	NQ24R	20	66253371360



NORTON QUANTUM FIBRE DISC

DIA x H (mm)	GRIT	PK. QTY	ART NO.
115x22	36	25	66623327494
	50	25	66623327496
	50	25	66623327501
125x22	36	25	66623327502
	50	25	66623381328
	50	25	66261182088
150x22	36	25	66623327506
	50	25	66623327507
	50	25	66623327507
180x22	36	25	66623327507
	50	25	66623327507
	50	25	66623327507



4 STEP KIT

FOR RIGHT ANGLE GRINDERS
FROM CUTTING TO WELD SEAM REMOVAL

An assortment of 115mm Norton abrasive discs for angle grinders, including the most popular grades for cutting, cleaning, bevelling and weld seam removal on carbon steel.



ARTICLE NUMBER: 78072707703

**PUT NORTON TO
THE TEST TODAY!**

3 STEP KIT

FOR RIGHT ANGLE GRINDERS
FROM WELD REMOVAL TO A BRIGHT FINISH

An assortment of 115mm Norton abrasive discs for angle grinders, including the most popular grades for stock removal, blending & refining and finishing on stainless steel.



ARTICLE NUMBER: 78072709344

You Tube

See Norton Right Angle Grinder Solutions in use at
www.YouTube.com/NortonAbrasivesEMEA



or visit our website
www.nortonabrasives.com

WELD PREPARATION AND FINISHING IN 4 STEPS (CARBON STEEL)

STEP 1 CUTTING

Norton Quantum3 cutting discs are easy to use, easy to steer and deliver consistent results. Thanks to the sharp ceramic grain which cuts with ease through the metal, Quantum3 reduces vibration on the surface, making cutting more comfortable.



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 for bevelling edges. 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.



PRODUCT RECOMMENDATIONS



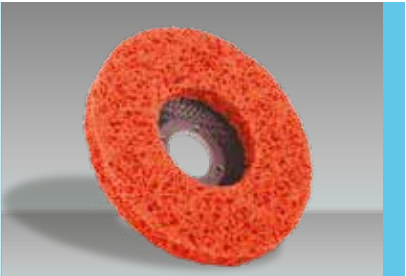
NEW NORTON QUANTUM3

PRODUCT TYPE	DIA (mm)	T x B (mm)	SPEC.	PK QTY	ART NO.	PRODUCT TYPE	DIA (mm)	T x B (mm)	SPEC.	PK QTY	ART NO.
Type 41	115	1.0x22.23	NQ60ZZ	25	66253371347	Type 42	125	2.5x22.23	NQ24P	25	66252832258
		1.3x22.23	NQ60ZZ	25	66253371348		150	2.5x22.23	NQ24P	25	66252846123
		1.6x22.23	NQ46ZZ	25	66253371349		180	2.5x22.23	NQ24P	25	66252845041
	125	1.0x22.23	NQ60ZZ	25	66253371350		230	2.5x22.23	NQ24P	25	66252846174
		1.3x22.23	NQ60ZZ	25	66253371351						
		1.6x22.23	NQ46ZZ	25	66253371352						
		2.5x22.23	NQ24P	25	66252845954						
	230	2.5x22.23	NQ24P	25	66252846173						



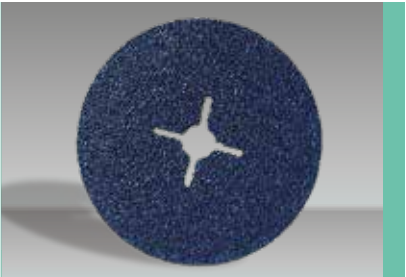
BLAZE RAPID STRIP

DIA x B (mm)	CAP CODE	PK QTY	MAX RPM	TYPE	ART NO.
115 x 22	R9101	10	12000	Type 27	66623303783
125 x 22	R9101	10	11000	Type 27	66623303916
178 x 22	R9101	10	8000	Type 27	66623303920



NORZON FIBRE DISC F827

DIA x H (mm)	GRIT	PK QTY	ART NO.
115x22	36	25	63642539615
125x22	36	25	63642536483
180x22	36	25	63642533063



NORTON VULCAN R842

DIA x H (mm)	GRIT	PK QTY	ART NO.
115x22	60	10	63642502312
125x22	60	10	63642502317
180x22	60	10	63642502343



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

STEP 1 HEAVY DUTY GRINDING

Remove the excess weld with a Norton Quantum3 grinding wheel for inox, at a 30-45° angle. The grinding discs create a coarse surface finish so it's a good idea to leave a small amount of weld on the surface.

TOP TIP: At 4.2mm thickness, use the Norton Quantum3 Combo disc for rough cutting, grinding in corners and bevelling, thanks to the ceramic grain it makes light work of these applications.



STEP 2 STOCK REMOVAL

Norton Quantum fibre discs in grit P50 used at 10-15° angle will remove the remaining weld quickly. For faster material removal, an air-cooled back-up pad with grit P36 works best.

Back-up pads are available see page 30 for details.



STEP 3 BLENDING & REFINING


Vortex Rapid Blend 5AM discs are ideal for blending applications and will remove grind lines left by the fibre disc during the stock removal stage. The bright finish left by the Vortex Rapid Blend can be used either as the final finish or as an intermediate step to a polished finish.



PRODUCT RECOMMENDATIONS



NORTON QUANTUM3 COMBO

PRODUCT TYPE	DIA (mm)	T x B (mm)	SPECIFICATION	PK QTY	ART NO.
<div> Type 27  </div>	115	4.2x22.23	NQ24R	20	66253371356
	125	4.2x22.23	NQ24R	20	66253371357
	125	7.0x22.23	NQ24N	10	66252839321
	150	4.2x22.23	NQ24R	20	66253371358
	180	4.2x22.23	NQ24R	20	66253371359
	230	4.2x22.23	NQ24R	20	66253371360
	230	7.0x22.23	NQ24N	10	66252839322



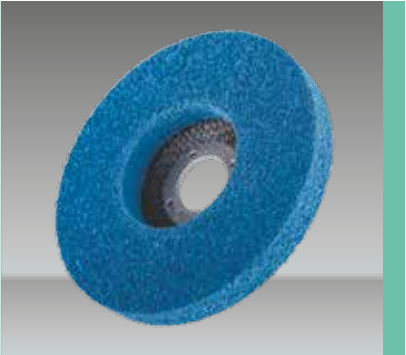
NORTON QUANTUM FIBRE DISC

DIA x H (mm)	GRIT	PK QTY	ART NO.
115x22	36	25	66623327494
	50	25	66623327496
125x22	36	25	66623327501
	50	25	66623327502
150x22	36	25	66623381328
	50	25	66261182088
180x22	36	25	66623327506
	50	25	66623327507



VORTEX RAPID BLEND

DIA x H (mm)	CAP CODE	MAX RPM	GRADE	APPLICATION	PK QTY	ART NO.
115x22	U2305	12000	VORTEX 5AM	Tig weld removal	10	66254429268
125x22	U2305	12000	VORTEX 5AM	Tig weld removal	10	66254496323



CUTTING-OFF TO A COMMERCIAL FINISH IN 3 STEPS (STAINLESS STEEL)

STEP 1 CUTTING

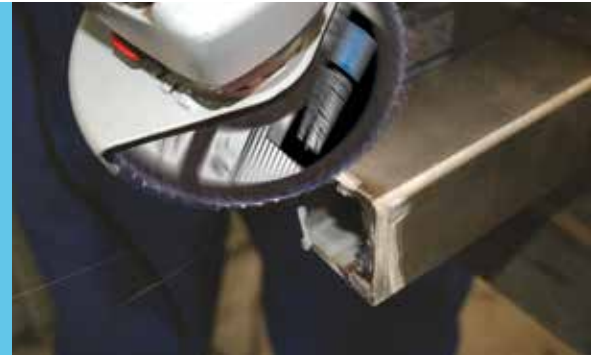
Norton Quantum3 discs cut with ease through stainless steel. Thanks to the ceramic grain, the discs 'bite' the metal and don't bounce or vibrate during use, meaning a more comfortable cutting experience for the life of the disc.



STEP 2 DEBURRING AND SHAPING

The ceramic grain in Norton Quantum flap discs has an aggressive, consistent cutting action for maximum stock removal. Flap discs deliver longer life and more conformability compared to fibre discs, adapting to the workpiece edge for better results.

Grit P60 produces light finish lines, which can be easily removed using a BearTex surface blending disc; use a powerful angle grinder above 1200W for optimum performance.



STEP 3 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 refine the finish after step 2.



PRODUCT RECOMMENDATIONS




NEW NORTON QUANTUM3

PRODUCT TYPE	DIA (mm)	T x B (mm)	SPEC.	PK QTY	ART NO.	PRODUCT TYPE	DIA (mm)	T x B (mm)	SPEC.	PK QTY	ART NO.
<div> Type 41  </div>	115	1.0x22.23	NQ60ZZ	25	66253371347	<div> Type 42  </div>	125	2.5x22.23	NQ24P	25	66252832258
		1.3x22.23	NQ60ZZ	25	66253371348		150	2.5x22.23	NQ24P	25	66252846125
		1.6x22.23	NQ46ZZ	25	66253371349		180	2.5x22.23	NQ24P	25	66252845041
	125	1.0x22.23	NQ60ZZ	25	66253371350		230	2.5x22.23	NQ24P	25	66252846174
		1.3x22.23	NQ60ZZ	25	66253371351						
		1.6x22.23	NQ46ZZ	25	66253371352						
	150	2.5x22.23	NQ24P	25	66252845954						
		2.5x22.23	NQ24P	25	66252846123						
		2.5x22.23	NQ24P	25	66252846173						
	230	2.5x22.23	NQ24P	25	66252846173						



NORTON QUANTUM FLAP DISC

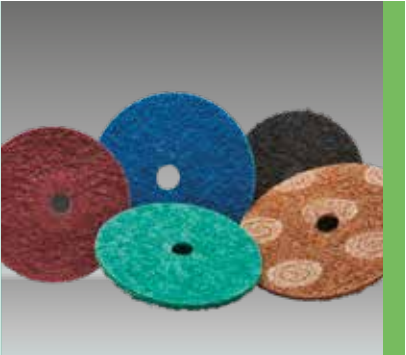
PRODUCT TYPE	DIA x H (mm)	GRIT	PK QTY	ART NO.
<div>  Fibreglass backed </div>	115x22	60	10	66254461029
	125x22	60	10	66254445879
	180x22	60	10	66254461036*

* Made to order



VORTEX RAPID PREP (SCM) DISC COARSE

DIA (mm)	CAP CODE	GRADE	PK QTY	ART NO.
115	S2203	Coarse	25	66623378974
125	S2203	Coarse	25	66623378975
178	S2203	Coarse	25	66623378976



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

STEP 1 STOCK REMOVAL

Norton Quantum flap discs in grit P60 are 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.



PRODUCT RECOMMENDATIONS



NORTON QUANTUM FLAP DISC

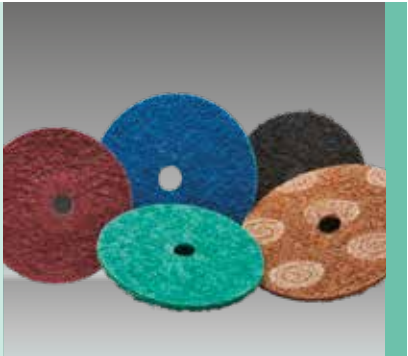
PRODUCT TYPE	DIA x H (mm)	GRIT	PK QTY	ART NO.
 Fibreglass backed	115x22	60	10	66254461029
	125x22	60	10	66254445879
	180x22	60	10	66254461036*

* Made to order



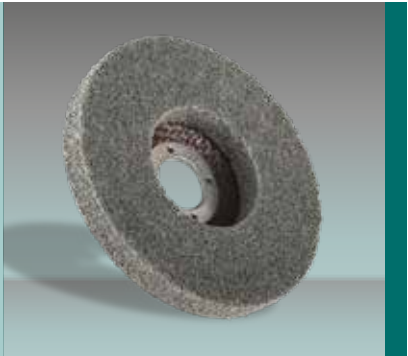
VORTEX RAPID PREP (SCM) DISC COARSE

DIA (mm)	CAP CODE	GRADE	PK QTY	ART NO.
115	S2203	COARSE	25	66623378974
125	S2203	COARSE	25	66623378975
178	S2203	COARSE	25	66623378976



RAPID BLEND NEX

DIM DIAxTxH(mm)	CAP CODE	MAX RPM	GRADE	APPLICATION	PK QTY	ART NO.
115x12x22	U4401	12000	NEX2SF	Blend & Finish	10	66261020546
	U4401	12000	NEX3SF	Blend & Finish	10	66254461726
125x12x22	U4401	12000	NEX2SF	Blend & Finish	10	66254496320
	U4401	12000	NEX3SF	Blend & Finish	10	77696067125



NON-FERROUS METAL PREPARATION FOR PAINT AND COATINGS **IN 2 STEPS**

STEP 1 STOCK REMOVAL

Norzon F827 fibre discs in grit P60 are good option for non-ferrous soft materials. Due to the soft nature of the material they need to be used with light and even pressure to avoid gouging and excess material removal. For best results choose the medium density back-up pad, see page 30 for details.



STEP 2 BLENDING & REFINING

A medium Vortex Rapid Prep (SCM) disc should be used after the fibre disc to impart a finish ready to be coated as it removes scratch patterns and provides a key for any surface coating or paint to adhere to minimising the risk of peeling.



PRODUCT RECOMMENDATIONS



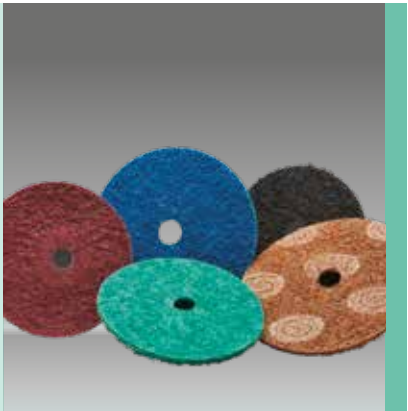
NORZON FIBRE DISC F827

DIA x H (mm)	GRIT	PK QTY	ART NO.
115x22	60	25	63642539616
125x22	60	25	69957360057
180x22	60	25	63642533065



VORTEX RAPID PREP (SCM) DISC MEDIUM

DIA (mm)	CAP CODE	GRADE	PK QTY	ART NO.
115	S2303	Medium	25	66623378977
125	S2303	Medium	25	66623378978
178	S2303	Medium	25	66623378979



PAINT COATING AND CORROSION REMOVAL

2 OPTIONS

OPTION 1

SURFACE PREPARATION & CLEANING

Blaze Rapid Strip discs are best used at 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.



OPTION 2

SURFACE PREPARATION & CLEANING

Norton wire cup brushes can be used as an alternative to Blaze Rapid Strip. A range of cup brushes are available for hard to reach areas or flat surfaces. The conformability of the wire structure enables the brush to remove unwanted coatings from uneven or pitted surfaces.



PRODUCT RECOMMENDATIONS



BLAZE RAPID STRIP

DIA x B (mm)	CAP CODE	PK QTY	MAX RPM	TYPE	ART NO.
115 x 22	R9101	10	12000	Type 27	66623303783
125 x 22	R9101	10	11000	Type 27	66623303916
178 x 22	R9101	10	8000	Type 27	66623303920



TWIST KNOTTED CUP BRUSHES

DxA L (mm)	GRINDER SIZE (mm)	PK QTY	NORMAL STEEL	STAINLESS STEEL
65xM14 T20	115 & 125	1	66261103046	66261103171

CRIMPED CUP BRUSHES

DxA L (mm)	GRINDER SIZE (mm)	PK QTY	NORMAL STEEL	STAINLESS STEEL
75xM14 T22	115 & 125	1	66261103049	66261103176



SCALE REMOVAL & CLEANING IN 1 STEP

STEP 1 SCALE REMOVAL AND CLEANING

Norton Quantum flap wheels will quickly remove the scale, rust or paint from the workpiece. They are ideal for sanding contours and uneven surfaces, whilst delivering a consistent cut rate. Ideal for linear finishing in metal fabrication and welding industries.

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.



PRODUCT RECOMMENDATIONS



NORTON QUANTUM FLAP WHEELS

DIAxWxTH (mm)	GRIT	PK QTY	ART NO.	REC. SPEED (RPM)
115x20 M14	40	5	69957307345	6700-8300
	60	5	69957307350	
	80	5	69957307353	
	120	5	69957307354	
125x20 M14	40	5	69957307355	6700-8300
	60	5	69957307356	
	80	5	69957307359	
	120	5	69957307360	



SHARP EDGE REMOVAL AFTER LASER CUTTING

2 OPTIONS (CARBON STEEL)

OPTION 1 REMOVAL OF SMALL BURRS

The Norton High Strength Disc F2303 A Medium is able to quickly and efficiently remove burrs whilst simultaneously rounding sharp edges. The open structure and soft nature of the product reduces the risk of creating flat spots and changing the geometry of the component.



OPTION 2 REMOVAL OF LARGE BURRS

The Norton Rapid Blend U4401 3SF disc is more compact and heavy duty enabling removal of larger burrs, that are created by laser cutting and also sharp edges.

The solid 3D structure of the product gives longer life and better productivity.

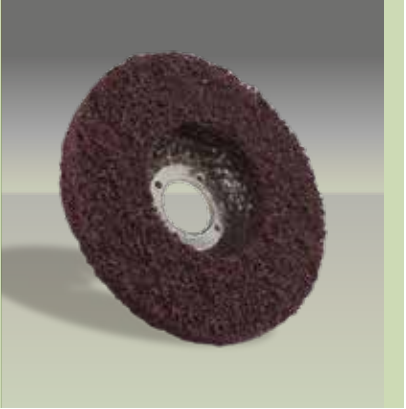


PRODUCT RECOMMENDATIONS



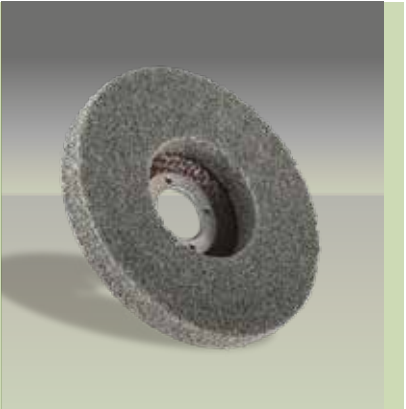
NORTON HIGH STRENGTH DISCS

DIA x B (mm)	CAP CODE	PK QTY	MAX RPM	GRADE	ART NO.
115 x 22	F2303	10	12000	HSMA MEDIUM	66261020549
125 x 22	F2303	10	12000	HSMA MEDIUM	78072702394



RAPID BLEND NEX

^{DIM} DIAxTxH(mm)	CAP CODE	MAX RPM	GRADE	APPLICATION	PK QTY	ART NO.
115x12x22	U4401	12000	NEX2SF	Blend & Finish	10	66261020546
	U4401	12000	NEX3SF	Blend & Finish	10	66254461726
125x12x22	U4401	12000	NEX2SF	Blend & Finish	10	66254496320
	U4401	12000	NEX3SF	Blend & Finish	10	77696067125



PRODUCT INDEX

CUTTING

BEST

STAINLESS STEEL

MILD STEEL

NEW NORTON QUANTUM3

- Less cutting vibration increasing operator comfort
- Sharper grain for a quicker cut
- Longer disc life reducing downtime and waste



PRODUCT TYPE	DIA (mm)	TxB (mm)	SPECIFICATION	PK QTY	ART. NO.
Type 41	115	1.0x22.23	NQ 60 ZZ	25	66253371347
		1.3x22.23	NQ 60 ZZ	25	66253371348
		1.6x22.23	NQ 46 ZZ	25	66253371349
	125	1.0x22.23	NQ 60 ZZ	25	66253371350
		1.3x22.23	NQ 60 ZZ	25	66253371351
		1.6x22.23	NQ 46 ZZ	25	66253371352
		2.5x22.23	NQ 24 P	25	66252845954
	150	2.5x22.23	NQ 24 P	25	66252846123
	230	2.5x22.23	NQ 24 P	25	66252846173
Type 42	125	2.5x22.23	NQ 24 P	25	66252832258
	150	2.5x22.23	NQ 24 P	25	66252846125
	180	2.5x22.23	NQ 24 P	25	66252845041
	230	2.5x22.23	NQ 24 P	25	66252846174

PERFORMANCE

ALUMINIUM

NORTON ALU

- Ultra-thin for precise cutting
- Special bond and grit for non-ferrous applications
- No clogging, the wheel stays sharp



PRODUCT TYPE	DIA (mm)	TxB (mm)	SPECIFICATION	PK QTY	ART. NO.
Type 41	115	1.0x22.23	A 60 Q	25	66252828236
		1.6x22.23	A 46 Q	25	66252828233
	125	1.0x22.23	A 60 Q	25	66252828237
		1.6x22.23	A 46 Q	25	66252828234
	230	1.9x22.23	A 46 Q	25	66252828235

PERFORMANCE

STAINLESS STEEL

MILD STEEL

NORTON OMEGA

- Ultra-thin discs for fast, low force cutting
- Long life, quick and comfortable working



PRODUCT TYPE	DIA (mm)	TxB (mm)	SPECIFICATION	M/S	PK QTY	ART. NO.
Type 41	115	1,0x22,23	A 60 W	80	25	66253370025
		1,6x22,23	A 46 W	80	25	66253370026
		2,0x22,23	A 36 W	80	25	66253370027
		2,5x22,23	A 36 W	80	25	66253370028
	125	1,0x22,23	A 60 W	80	25	66253370029
		1,6x22,23	A 46 W	80	25	66253370030
		2,0x22,23	A 36 W	80	25	66253370031
		2,5x22,23	A 36 W	80	25	66253370032
	150	1,6x22,23	A 46 W	80	25	66253370033
	180	1,6x22,23	A 46 W	80	25	66253370034
		2,0x22,23	A 36 W	80	25	66253370035
	230	1,9x22,23	A 36 W	80	25	66253370036
2,0x22,23		A 36 W	80	25	66253370037	
Type 42	115	2,5x22,23	A 36 W	80	25	66253370039
		2,5x22,23	A 36 W	80	25	66253370040
		2,5x22,23	A 36 W	80	25	66253370041
		2,5x22,23	A 36 W	80	25	66253370043
		2,5x22,23	A 36 W	80	25	66253370044

Now available in
handy, reusable tubs.

Keeps cutting discs
fresher for longer!



HEAVY DUTY GRINDING

BEST

STAINLESS STEEL

MILD STEEL

NORTON QUANTUM3

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



PRODUCT TYPE	DIA (mm)	TxB (mm)	SPECIFICATION	PK QTY	ART. NO.
Type 27	115	7.0x22.23	NQ24P	10	66253371361
	125	7.0x22.23	NQ24P	10	66253371362
	150	7.0x22.23	NQ24P	10	66253371363
	180	7.0x22.23	NQ24P	10	66253371364
	230	7.0x22.23	NQ24P	10	66253371365

PERFORMANCE

STAINLESS STEEL

MILD STEEL

NORTON QUANTUM3 COMBO

- Rough cut and grind with one wheel
- Improved grinding control ensures precise grinding accuracy
- Ideal for hard to reach areas like corners and grooves
- Smoother feel, reduced fatigue and improve operator confort
- Boost the amperage on cordless grinders due to light weight / fast cutting



PRODUCT TYPE	DIA (mm)	TxB (mm)	SPECIFICATION	PK QTY	ART. NO.
Type 27	115	4.2x22.23	NQ24R	20	66253371356
	125	4.2x22.23	NQ24R	20	66253371357
	150	4.2x22.23	NQ24R	20	66253371358
	180	4.2x22.23	NQ24R	20	66253371359
	230	4.2x22.23	NQ24R	20	66253371360

PERFORMANCE

ALUMINIUM

NORTON ALU

- Sharp aluminium oxide grain for fast material removal
- No clogging, the wheel stays sharp



PRODUCT TYPE	DIA (mm)	TxB (mm)	SPECIFICATION	PK QTY	ART. NO.
Type 27	125	7.0x22.23	A 36 Q	25	66252828228
	180	7.0x22.23	A 36 Q	25	66252828230
	230	7.0x22.23	A 36 Q	25	66252828232

PERFORMANCE

INOX

NORTON QUANTUM3 INOX

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



PRODUCT TYPE	DIA (mm)	TxB (mm)	SPECIFICATION	PK QTY	ART. NO.
Type 27	125	7.0x2 2.23	NQ24N	10	66252839321
	230	7.0x2 2.23	NQ24N	10	66252839322

Now available in
handy, reusable tubs.
Keeps grinding discs
fresher for longer!



PRODUCT INDEX

STOCK REMOVAL

PERFORMANCE


STAINLESS STEEL

MILD STEEL

NORTON QUANTUM FLAP DISC

- R99% high performance ceramic flap discs for hard to grind metals
- Long product life
- Extremely aggressive ceramic grain for noticeably faster cut rate and cooler grinding



PRODUCT TYPE	DIA x H (mm)	GRIT	PK QTY	ART. NO.
 Fibreglass backed	115x22	40	10	66254461027
		60	10	66254461029
		80	10	66254461031
	125x22	40	10	66254445878
		60	10	66254445879
		80	10	66254461033
	180x22	40	10	66254461038*
		60	10	66254461036*
		80	10	66254461040*

* Made to order

PERFORMANCE


MILD STEEL

ALUMINIUM

NORTON VULCAN ZIRCONIA FLAP DISC R842

- High and regular cut rate at medium and low pressures
- NorZon Zirconia grain for good stock removal on mild steel and aluminium



PRODUCT TYPE	DIA x H (mm)	GRIT	PK QTY	ART. NO.
 Fibreglass backed	115x22	40	10	63642502311
		60	10	63642502312
		60	10	63642502313
		80	10	63642502314
	125x22	40	10	63642502315
		60	10	63642502317
		60	10	63642502318
		80	10	63642502326
	180x22	40	10	63642502341
		60	10	63642502343
		60	10	63642502345
		80	10	63642502347

PERFORMANCE


STAINLESS STEEL

MILD STEEL

NORTON QUANTUM MP R928

- Ideal for cool grinding on stainless steel and carbon steel
- Heavy and fast material removal with long life



PRODUCT TYPE	DIA x H (mm)	GRIT	PK QTY	ART. NO.
 Fibreglass backed	115x22	40	10	66261143333
		60	10	66261143336
		60	10	66261143337
		80	10	66261143338
	125x22	40	10	66261143339
		60	10	66261143340
		60	10	66261143341
		80	10	66261143343
	180x22	40	10	66261143344
		60	10	66261143345
		60	10	66261143346
		80	10	66261143347

PERFORMANCE


MILD STEEL

ALUMINIUM

NORTON VULCAN R26X

- Versatile product for rough grinding and deburring on steel and non-ferrous metals
- Fast initial cut rate especially on carbon steel



PRODUCT TYPE	DIA x H (mm)	GRIT	PK QTY	ART. NO.
 Fibreglass backed	115x22	40	10	63642589240
		60	10	63642589241
		60	10	63642589242
		80	10	63642589243
	125x22	40	10	63642589253
		60	10	63642589254
		60	10	63642589255
		80	10	63642589256
	180x22	40	10	66623398833
		60	10	66623398835
		60	10	66623398823
		80	10	66623398824

STOCK REMOVAL

PERFORMANCE

STAINLESS STEEL

MILD STEEL

NORTON QUANTUM FIBRE DISC F996

- F996 high performance ceramic fibre discs for heavy duty applications on hard to grind metal
- Exceptionally high material removal and long life



DIA x H (mm)	GRIT	PK QTY	ART. NO.
115x22	36	25	66623327494
	50	25	66623327496
	60	25	66623327497
	80	25	66623327499
	120	25	66623327500
125x22	36	25	66623327501
	50	25	66623327502
	60	25	66623327503
	80	25	66623327504
	120	25	66623327505
150x22	36	25	66623381328
	50	25	66261182088
	60	25	66623399637
	80	25	66261138545
	120	25	66261182090
180x22	36	25	66623327506
	50	25	66623327507
	60	25	66623327508
	80	25	66623327509
	120	25	66623327510

ECONOMY

STAINLESS STEEL

MILD STEEL

ALUMINIUM

NORZON FIBRE DISC F827

- NorZon abrasive for high and regular cut rate at medium pressures
- High stock removal rate for rough grinding and deburring of steel



DIA x H (mm)	GRIT	PK QTY	ART. NO.
115x22	24	25	69957360048
	36	25	63642539615
	50	25	69957360053
	60	25	63642539616
	80	25	63642539617
	100	25	69957360063
125x22	120	25	63642533055
	24	25	63642539619
	36	25	63642536483
	50	25	63642539620
	60	25	69957360057
	80	25	63642539622
150x22	100	25	63642536484
	120	25	63642533056
	24	25	63642533062
	36	25	63642533063
	50	25	63642533064
	60	25	63642533065
180x22	80	25	63642533066
	120	25	63642533067
	120	25	63642533068
	120	25	63642533068

PRODUCT INDEX

STOCK REMOVAL

NYLON REINFORCED BACK UP PADS

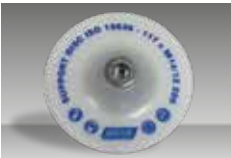
- The curved ribs keep the pad and the abrasive cooler while retaining a level of flexibility across the pad.
- For tougher grinding operations
- Conforms ISO 15636
- Grits 36+ and finer



DIA (mm)	THREAD	DENSITY	MAX. RPM	PK QTY	ART. NO.
115	M14	Hard	13300	5	66623376727
125	M14	Hard	12200	5	66623376821
150	M14	Hard	10200	5	69957309184
180	M14	Hard	8500	5	66623376822

BACK-UP PADS: NYLON

- Use hard density for heavy stock removal with coarse grit (up to P50)
- Use medium density for finishing with grit P60 and finer or for contoured workpieces with all grit sizes



DIA (mm)	DENSITY	ATTACHMENT	PK QTY	ART. NO.
115	Hard	M14	5	69957382828
	Medium	M14	5	69957382825
125	Hard	M14	5	69957382829
	Medium	M14	5	69957382826
178	Hard	M14	5	69957382830
	Medium	M14	5	69957382827

BLENDING & REFINING

PERFORMANCE

STAINLESS STEEL

MILD STEEL

ALUMINIUM

VORTEX RAPID PREP SCM SELF GRIP

- 2-3 times longer life
- Fewer process stages
- Reduced rework
- Patented grain technology



DIA (mm)	CAP CODE	GRADE	PK. QTY	ART. NO.
115	S2103	Extra Coarse	25	66623378971
	S2203	Coarse	25	66623378974
	S2303	Medium	25	66623378977
	S2403	Fine	25	-
	S2503	Very Fine	25	66623378980
125	S2103	Extra Coarse	25	66623378972
	S2203	Coarse	25	66623378975
	S2303	Medium	25	66623378978
	S2403	Fine	25	-
	S2503	Very Fine	25	66623378981
178	S2103	Extra Coarse	25	66623378973
	S2203	Coarse	25	66623378976
	S2303	Medium	25	66623378979
	S2403	Fine	25	-
	S2503	Very Fine	25	-

PERFORMANCE

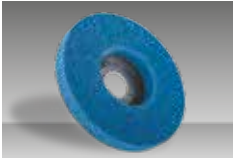
STAINLESS STEEL

MILD STEEL

ALUMINIUM

VORTEX RAPID BLEND

- Versatile product with cut, blend and finish capabilities
- Faster finishing with minimal shedding
- Consistent, comfortable performance for improved part quality with no smearing



DIAxH (mm)	CAP CODE	Max RPM	GRADE	APPLICATION	PK. QTY	ART. NO.
115x22	U2305	12000	Vortex 5AM	Tig weld removal	10	66254429268
125x22	U2305	12000	Vortex 5AM	Tig weld removal	10	66254496323

PERFORMANCE

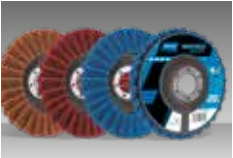
STAINLESS STEEL

MILD STEEL

ALUMINIUM

VORTEX RAPID PREP SCM FLAP DISCS

- Quick, durable blending and finishing tool
- Longer life and durability with smear free cut & finish in one action
- An upgrade from traditional SCM Hook & Loop discs retaining same multi grade benefits.



DIA (mm)	CAP CODE	GRADE	PK. QTY	MAX RPM	ART. NO.
115x22	S2103	Extra Coarse	10	12200	66261149751
	S2203	Coarse	10	12200	66261130726
	S2303	Medium	10	12200	66261130773
	S2403	Fine	10	12200	66261130776
	S2503	Very Fine	10	12200	66261130777
125x22	S2103	Extra Coarse	10	12200	66261149752
	S2203	Coarse	10	12200	66261130779
	S2303	Medium	10	12200	66261130780
	S2403	Fine	10	12200	66261130781
	S2503	Very Fine	10	12200	66261130782

PRODUCT INDEX

BLENDING & REFINING

ECONOMY

STAINLESS STEEL

MILD STEEL

ALUMINIUM

RAPID PREP SCM (AO) SELF-GRIP

- 15% longer life
- Fewer process stages
- Reduced rework



DIA (mm)	CAP CODE	GRADE	PK. QTY	ART. NO.
115	S2103	Extra Coarse	25	66623378983
	S2203	Coarse	25	66623378984
	S2303	Medium	25	66623378987
	S2403	Fine	25	66623378990
	S2503	Very Fine	25	66623379028
125	S2103	Extra Coarse	25	66623378982
	S2203	Coarse	25	66623378985
	S2303	Medium	25	66623378988
	S2403	Fine	25	66623378991
	S2503	Very Fine	25	66623379029
178	S2103	Extra Coarse	25	66623378965
	S2203	Coarse	25	66623378986
	S2303	Medium	25	66623378989
	S2403	Fine	25	-
	S2503	Very Fine	25	-

ECONOMY

BACK-UP PADS FOR BEARTEX NON-WOVEN SURFACE BLENDING AND RAPID PREP (SCM) DISCS (SELF-GRIP)



DIA (mm)	DENSITY	THREAD	PK QTY	ART. NO.
115	Medium	M14	1	69957382846
125	Medium	M14	1	69957382841
178	Medium	M14	1	69957382844

NOTE:
RAPIDPREP DISCS COME WITH REMOVEABLE CENTRE TO ALLOW MOUNTING ON BOTH TYPES OF BACK-UP PADS.



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



DIA x H (mm)	DENSITY	ATTACHMENT	PK QTY	ART. NO.
115	Medium	M14	1	77696076935
125	Medium	M14	1	77696076941

DEBURRING

ECONOMY

STAINLESS STEEL

MILD STEEL

ALUMINIUM

RAPID PREP SCM (AO) SELF-GRIP

- 15% longer life
- Fewer process stages
- Reduced rework



DIA (mm)	CAP CODE	GRADE	PK. QTY	ART. NO.
115	S2108	Extra Coarse	25	66623378983
	S2208	Coarse	25	66623378984
	S2308	Medium	25	66623378987
	S2408	Fine	25	66623378990
	S2508	Very Fine	25	66623379028
125	S2108	Extra Coarse	25	66623378982
	S2208	Coarse	25	66623378985
	S2308	Medium	25	66623378988
	S2408	Fine	25	66623378991
	S2508	Very Fine	25	66623379029
178	S2108	Extra Coarse	25	66623378965
	S2208	Coarse	25	66623378986
	S2308	Medium	25	66623378989
	S2408	Fine	25	-
	S2508	Very Fine	25	-

NOTE:
RAPIDPREP DISCS COME WITH REMOVEABLE CENTRE TO ALLOW MOUNTING ON BOTH TYPES OF BACK-UP PADS.



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



DIA x H (mm)	DENSITY	ATTACHMENT	PK QTY	ART. NO.
115	Medium	M14	1	77696076935
125	Medium	M14	1	77696076941

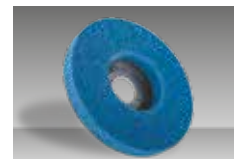
PERFORMANCE

STAINLESS STEEL

MILD STEEL

VORTEX RAPID BLEND

- Versatile product with cut, blend and finish capabilities
- Faster finishing with minimal shedding
- Consistent, comfortable performance for improved part quality with no smearing



DIAxH (mm)	CAP CODE	MAX RPM	GRADE	APPLICATION	PK. QTY	ART. NO.
115x22	U2305	12000	Vortex 5AM	Tig weld removal	10	66254429268
125x22	U2305	12000	Vortex 5AM	Tig weld removal	10	66254496323

PERFORMANCE

ALUMINIUM

BEARTEX NON-WOVEN HIGH STRENGTH DISCS

- Depressed centre T27
- High strength nylon material for longer life in contoured applications
- Open structure to prevent loading



DIAxH (mm)	CAP CODE	MAX RPM	GRADE	APPLICATION	PK. QTY	ART. NO.
115x22	F2303	12000	HSMA Medium	Conformable	10	66261020549
125x22	F2303	12000	HSMA Medium	Conformable	10	78072702394

BACK-UP PADS

- For Beartex non-woven surface blending discs and Rapid Prep (SCM) discs (Self-Grip)



DIA x H (mm)	DENSITY	ATTACHMENT	PK QTY	ART. NO.
115	Medium	M14	1	69957382846
	Medium	5/8	1	63642595937
125	Medium	M14	1	69957382841
	Medium	5/8	1	63642595938
178	Medium	M14	1	69957382844
	Medium	5/8	1	63642595940

PRODUCT INDEX

SURFACE PREPARATION & CLEANING

PERFORMANCE

STAINLESS STEEL

MILD STEEL

BLAZE RAPID STRIP

- Depressed centre T27
- High performance Ceramic grain for 2x faster cut and longer life
- Surface condition, strip and clean with one disc
- Extremely versatile using hard or soft pressure



DIA x B (mm)	CAP CODE	PK. QTY	MAX RPM	TYPE	ART. NO.
115 x 22	R9101	10	12000	Type 27	66623303783
125 x 22	R9101	10	11000	Type 27	66623303916
178 x 22	R9101	10	8000	Type 27	66623303920

PERFORMANCE

ALUMINIUM

BEARTEX HIGH STRENGTH DISCS

- Depressed centre T27
- High strength nylon material for longer life in contoured applications
- Open structure to prevent loading



DIAxH (mm)	CAP CODE	MAX RPM	GRADE	PK. QTY	ART. NO.
115x22	F2303	12000	HSMA Medium	10	66261020549
125x22	F2303	12000	HSMA Medium	10	78072702394

ECONOMY

STAINLESS STEEL

MILD STEEL

ALUMINIUM

RAPID STRIP

- Depressed centre T27
- Constructed with thick, strong, synthetic fibres and extra-coarse silicon carbide abrasive
- Open web construction provides fast cutting action
- Two choices available: open structure on R4104S, more dense on R4101H



DIA x B (mm)	CAP CODE	PK. QTY	MAX RPM	TYPE	R4104S ART. NO.	R4101 ART. NO.
115 x 22	R4101	10	12000		-	66261009649
115 x 22	R4104	5	11000		63642585732	-
125 x 22	R4101	10	12000	Type 27/Fiberglass	-	66261030655
125 x 22	R4104	5	8500		63642585749	-
178 x 22	R9101	10	8000			66623303920

PERFORMANCE

STAINLESS STEEL

MILD STEEL

NORTON QUANTUM FLAP WHEEL

- Excellent results on stainless steel, inconels, chromium cobalt, titanium and extremely hard materials
- Aggressive cut removes defects quickly and effectively
- Additional supsize layer minimises heat built-up on the workpiece for a cooler cut and longer life
- Provides the longest life even in tough applications



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

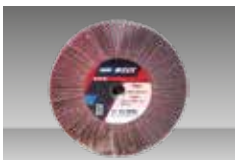
ECONOMY

MILD STEEL

ALUMINIUM

NORTON BDX FLAP WHEEL

- A universal wheel for use on steel and stainless steel, can also be used for paint removal and on plastic or wood
- Good cut rate in low-pressure finishing operations, leaves a very good finish
- For aggressive cut and longer life
- Quick and easy to mount on an angle grinder



DIAxWxTH (mm)	GRIT	PK QTY	ART. NO.	RECOMMENDED SPEED (RPM)
115x20 M14	40	5	66261121351	6700-8300
	60	5	66261121353	
	80	5	66261121411	
	120	5	66261121415	
125x20 M14	40	5	66261121426	6700-8300
	60	5	66261121427	
	80	5	66261121428	
	120	5	66261121429	

FINISHING

PERFORMANCE

STAINLESS STEEL

MILD STEEL

ALUMINIUM

BEARTEX RAPID BLEND NEX

- Imparts a high quality, shiny surface finish
- Ideal choice for finishing prior to polishing and paint preparation
- New 3SF now available with harder density for longer life and form holding



DIAxB (mm)	CAP CODE	MAX RPM	GRADE	APPLICATION	PK. QTY	ART. NO.
115x22	U4401	12000	NEX2SF	Blend & Finish	10	66261020546
115x22	U4401	12000	NEX3SF	Blend & Finish	10	66254461726
115x22	U4401	12000	NEX2SF	Blend & Finish	10	66254496320
125x22	U4401	12000	NEX3SF	Blend & Finish	10	77696067125

ECONOMY

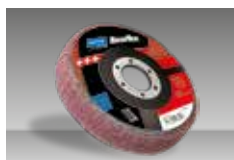
STAINLESS STEEL

MILD STEEL

ALUMINIUM

BEARTEX FLAP DISC

- BearTex fleece discs are ideal for following contours and conforming to unusual shapes during fine finishing
- Two types available – plain and mixed (interleaved) for various metals



DIAxB (mm)	CAP CODE	GRADE	TYPE	PK QTY	ART. NO.
115x22	F2504	Very Fine A	XFLD (Plain)	10	66254481898
115x22	F2504	Very Fine A	XIFD (Mixed)	10	66623311000

NOTE:

RAPIDPREP DISCS COME WITH REMOVEABLE CENTRE TO ALLOW MOUNTING ON BOTH TYPES OF BACK-UP PADS.



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



DIA x H (mm)	DENSITY	ATTACHMENT	PK QTY	ART. NO.
115	Medium	M14	1	77696076935
125	Medium	M14	1	77696076941

ECONOMY

STAINLESS STEEL

MILD STEEL

ALUMINIUM

RAPID PREP SCM (AO) SELF-GRIP

- 15% longer life
- Fewer process stages
- Reduced re-work



DIA (mm)	CAP CODE	GRADE	PK. QTY	ART. NO.
115	S2108	Extra Coarse	25	66623378983
	S2208	Coarse	25	66623378984
	S2308	Medium	25	66623378987
	S2408	Fine	25	66623378990
	S2508	Very Fine	25	66623379028
125	S2108	Extra Coarse	25	66623378982
	S2208	Coarse	25	66623378985
	S2308	Medium	25	66623378988
	S2408	Fine	25	66623378991
	S2508	Very Fine	25	66623379029
178	S2108	Extra Coarse	25	66623378965
	S2208	Coarse	25	66623378986
	S2308	Medium	25	66623378989
	S2408	Fine	25	-
	S2508	Very Fine	25	-

BACK-UP PADS

- For Beartex non-woven surface blending discs and Rapid Prep (SCM) discs (Self-Grip)



DIA x H (mm)	DENSITY	ATTACHMENT	PK QTY	ART. NO.
115	Medium	M14	1	69957382846
	Medium	5/8	1	63642595937
125	Medium	M14	1	69957382841
	Medium	5/8	1	63642595938
178	Medium	M14	1	69957382844
	Medium	5/8	1	63642595940

PRODUCT INDEX

POLISHING

PERFORMANCE

STAINLESS STEEL

MILD STEEL

ALUMINIUM

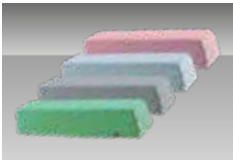
RAPID POLISH

- Type T29 made with felt wool fixed to a fibreglass plate to create a polishing pad
- Use with polishing compounds or pastes to achieve a mirror finish



DIAxB (mm)	CAP CODE	GRADE	TYPE	PK QTY	ART. NO.
115x22	F0005	Felt	XFLD (Plain)	10	66254481899
125x22	F0005	Felt	XFLD (NW)	10	63642573692

POLISHING PASTE BARS



COLOUR	SPECIFICATION	PK QTY	ART. NO.
Green	Non-ferrous metals	1	07660739108
White	Stainless Steel	1	07660739109
Blue	Brass	1	07660739112
Pink	Copper	1	07660739111

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

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. NON-REINFORCED CUTTING-OFF WHEELS SHOULD ONLY BE USED ON FIXED MACHINES & SHOULD BE CORRECTLY GUARDED.
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

PERFORMANCE SOLUTIONS FOR RIGHT ANGLE GRINDERS

1



CUTTING

Cutting-disc for correct dimensioning.

2



HEAVY DUTY GRINDING

Grinding disc to remove welds and burrs.

3



STOCK REMOVAL

FLAP DISC Remove heavy weld seams and excess material. Long product life.

FIBRE DISC Remove excess material from flat and contoured surfaces.

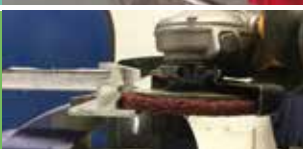
4



BLENDING & REFINING

Impart a uniform finish.

5



DEBURRING

Remove burrs, radiusing and break sharp edges.

6



SURFACE PREP & CLEANING

Remove dirt, rust or corrosion and prepare surface prior to coating or welding.

7



FINISHING

Reduce surface roughness, apply a cosmetic finish, prepare for polishing.

8



POLISHING

Final step to provide a high gloss finish.

IN THE METAL FABRICATION MARKET





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