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**NORTON**

SAINT-GOBAIN

Reshaping  
your  
world.

ABRASIVE SOLUTIONS FOR  
WELDING  
APPLICATIONS

  
SAINT-GOBAIN



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# INTRODUCTION

The Norton brand has over 135 years of experience providing high quality abrasive solutions to many diverse markets. From metal fabrication, manufacturing, and transportation to automotive aftermarket and building & construction products, we dedicate ourselves to delighting our customers.

With a global network of 60 facilities in over 25 countries and wealth of expertise, our dedicated teams have compiled this definitive one-stop guide to all abrasives used during the welding process.

In this guide, you will find products selected by leading industry experts. At every stage, we recommend solutions for each part of the process; giving you the highest quality, the most efficient and most effective products to complete your job.

Our handy process overviews and comprehensive product matrix will help you find the right Norton solutions with ease.

We are here to help your business be more productive and profitable, making every day better, and reshaping your world, together.



**Don't miss out!**

Check out our product videos on the Norton YouTube channel, search Norton Abrasives EMEA and hit subscribe to never miss a new video.

Look out for the YouTube logo throughout this brochure to see the product in action.

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

# PROCESS OVERVIEW

Discover videos, tips and advice from our experts at:  
[www.nortonabrasives.com](http://www.nortonabrasives.com)

In this brochure, you will find solutions for every step of the welding process across all three commonly-used metals in the industry for both MIG and TIG processes.

## CARBON STEEL

MIG WELDING (Metal Inert Gas)



## STAINLESS STEEL

TIG WELDING (Tungsten Inert Gas)

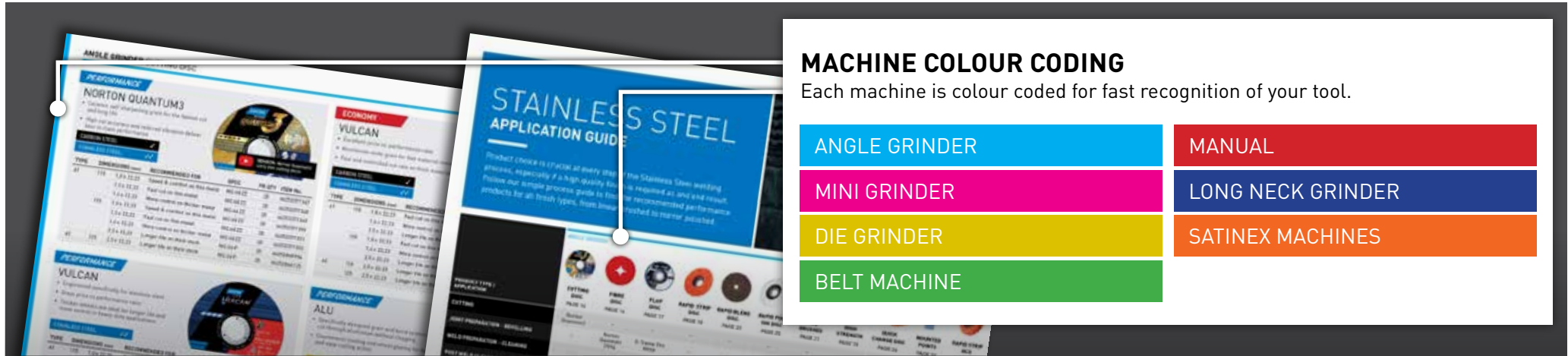


## ALUMINIUM

TIG or MIG WELDING



# HOW TO USE THIS GUIDE



## MACHINE COLOUR CODING

Each machine is colour coded for fast recognition of your tool.

ANGLE GRINDER	MANUAL
MINI GRINDER	LONG NECK GRINDER
DIE GRINDER	SATINEX MACHINES
BELT MACHINE	


**ECONOMY**

**VULCAN**

- Excellent price vs. performance ratio
- Aluminium oxide grain for fast material removal
- Fast and controlled cut rate on thick material

**CARBON STEEL** ✓

**STAINLESS STEEL** ✓✓



TYPE	DIMENSIONS (mm)	RECOMMENDED FOR	SPEC	PK QTY	ITEM No.
41	115	1,0 x 22,23	Fast cut on thin metal	A40 S	25 66252925431
		1,6 x 22,23	More control on thicker metal	A46 S	25 66252925432
		2,5 x 22,23	Longer life on thick stock	A30 S	25 66252925442
125	1,0 x 22,23	Fast cut on thin metal	A60 S	25 66252925433	
		1,6 x 22,23	More control on thicker metal	A46 S	25 66252925434
		2,5 x 22,23	Longer life on thick stock	A30 S	25 66252925443
42	115	2,5 x 22,23	Longer life on thick stock	A30 S	25 66252925490
	125	2,5 x 22,23	Longer life on thick stock	A30 S	25 66252925491

## MATERIAL COLOUR CODING

Every product is colour coded by its suitability for carbon steel, stainless steel and aluminium.

CARBON STEEL	STAINLESS STEEL	ALUMINIUM
--------------	-----------------	-----------

## METAL RECOMMENDATION

Each product comes with a recommendation, helping you choose the abrasive that works best in your application.

HIGHLY RECOMMENDED ✓✓	RECOMMENDED ✓
--------------------------	------------------

## RECOMMENDED FOR...

Our experts have provided handy tips for each product, to identify the right product for your end finish requirements.

**NORTON**

SAINT-GOBAIN®

# MATERIAL APPLICATION GUIDES

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Our handy quick-reference guides recommend the best product for every step of the welding preparation and finishing process for Carbon Steel, Stainless Steel and Aluminium.













# CARBON STEEL

## APPLICATION GUIDE

From heavy-duty grinding to light finishing, we have selected our best products to suit your application needs on Carbon Steel.



PRODUCT TYPE / APPLICATION	ANGLE GRINDER						MINI GRINDER	
	 CUTTING DISC PAGE 14	 GRINDING WHEEL PAGE 15	 FIBRE DISC PAGE 16	 FLAP DISC PAGE 17	 RAPID STRIP DISC PAGE 18	 RAPID PREP DISC PAGE 20	 WIRE BRUSHES PAGE 21	 QUICK CHANGE DISC PAGE 24
<b>CUTTING</b>	Vulcan	-	-	-	-	-	-	-
<b>JOINT PREPARATION - BEVELLING</b>	-	Norton Quantum3	Norzon F827	Vulcan R842	-	-	-	XTreme R884 P
<b>WELD PREPARATION - CLEANING</b>	-	Norton Quantum3 LCG	-	-	Blaze Rapid Strip	-	-	-
<b>POST WELD CLEANING</b>	-	Norton Quantum3 LCG	-	-	Blaze Rapid Strip	-	Crimped wire bevelled brush	-
<b>WELD REMOVAL</b>	-	Norton Quantum3	Norzon F827	Vulcan R842	-	-	-	XTreme R884 P
<b>BLENDING &amp; REFINING</b>	-	-	-	-	-	Vortex Rapid Prep Flap Disc	-	-



**DIE GRINDER**

**BELT MACHINE**

**MANUAL**



**MOUNTED POINTS**

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**RAPID STRIP QCD**

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**RAPID PREP QCD**

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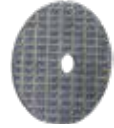
**HIGH STRENGTH**

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**RAPID STRIP WHEEL**

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**RAPID BLEND WHEEL**

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**FLAP WHEELS**

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**CARBIDE BURRS**

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**CARTRIDGE ROLLS**

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**BELTS**

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**HAND PADS**

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-	-	-	-	-	-	-	-	-	-	-
Norton Quantum	-	-	-	-	-	-	Carbide Burrs	-	R976	-
Norton Quantum	Blaze Rapid Strip	-	-	Blaze Rapid Strip	-	BDX R207+	-	Blaze R920	-	-
Norton Quantum	-	-	Beartex High Strength	Blaze Rapid Strip	Rapid Blend NEX	-	-	-	-	Beartex
-	-	-	-	-	-	-	Carbide Burrs	-	R976	-
-	-	Vortex Rapid Prep SCM	-	-	-	-	-	-	R976	-

# STAINLESS STEEL

## APPLICATION GUIDE

Product choice is crucial at every step of the Stainless Steel welding process, especially if a high quality finish is required as an end result. Follow our simple process guide to find the recommended performance products for all finish types, from linear brushed to mirror polished.



### ANGLE GRINDER

### MINI GRINDER



**CUTTING DISC**  
PAGE 14



**FIBRE DISC**  
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**FLAP DISC**  
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**RAPID BLEND DISC**  
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**RAPID POLISH DISC**  
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**WIRE BRUSHES**  
PAGE 21



**HIGH STRENGTH**  
PAGE 18



**QUICK CHANGE DISC**  
PAGE 24



**MOUNTED POINTS**  
PAGE 32



**RAPID STRIP QCD**  
PAGE 25

PRODUCT TYPE / APPLICATION

CUTTING

Norton Quantum3

-

-

-

-

-

-

-

-

-

-

JOINT PREPARATION - BEVELLING

-

Norton Quantum F996

X-Treme Pro R928

-

-

-

-

-

Blaze R890 P

-

-

WELD PREPARATION - CLEANING

-

-

-

Blaze Rapid Strip

-

-

-

-

-

Norton Quantum

Blaze Rapid Strip

POST WELD CLEANING

-

-

-

-

Rapid Blend NEX

-

Crimped wire bevelled brush

Beartex High Strength

-

Norton Quantum

-

WELD REMOVAL

-

Norton Quantum F996

X-Treme Pro R928

-

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Blaze R890 P

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BLENDING & REFINING

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Vortex Rapid Blend 25F

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FINISHING

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-

-

Rapid Blend NEX

Rapid Polish

-

-

-

-

-



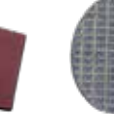
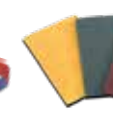
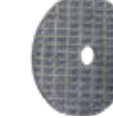
**DIE GRINDER**

**BELT MACHINE**

**MANUAL**

**LONG NECK GRINDER**

**SATINEX MACHINE**



**RAPID BLEND QCD**  
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**RAPID POLISH QCD**  
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**HIGH STRENGTH**  
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**HIGH STRENGTH**  
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**RAPID STRIP WHEEL**  
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**CARTRIDGE ROLLS**  
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**CARBIDE BURRS**  
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**HAND PADS**  
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**WHEELS**  
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**WHEELS**  
PAGE 42

-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	Carbide Burrs	R996	-	-	-
-	-	-	-	Blaze Rapid Strip	-	BDX R207+	Blaze R920	-	-	-	-	-
Rapid Blend NEX	-	High Strength buffing disc	Beartex High Strength	Blaze Rapid Strip	Rapid Blend NEX	-	-	-	-	Beartex	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
Vortex Rapid Blend 2SF	-	-	-	-	-	-	-	Carbide Burrs	R996	-	-	-
Rapid Blend NEX	Rapid Polish	-	-	-	-	-	-	-	Vortex Rapid Prep	Beartex	Vortex 5AM, NEX 2SF	Beartex

# ALUMINIUM APPLICATION GUIDE

Aluminium presents unique challenges for welding processes - our carefully selected guide below showcases the most appropriate abrasive products to help you manage these challenges effectively.



## ANGLE GRINDER



**CUTTING DISC**  
PAGE 14



**FIBRE DISC**  
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**HIGH STRENGTH**  
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**WIRE BRUSHES**  
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## MINI GRINDER



**QUICK CHANGE DISC**  
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**MOUNTED POINTS**  
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## DIE GRINDER



**HIGH STRENGTH**  
PAGE 26



**HIGH STRENGTH**  
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**CARBIDE BURRS**  
PAGE 32

## BELT MACHINE



**BELTS**  
PAGE 34



**HAND PADS**  
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PRODUCT TYPE / APPLICATION

CUTTING

JOINT PREPARATION - BEVELLING

WELD PREPARATION - CLEANING

POST WELD CLEANING

WELD REMOVAL

BLENDING & REFINING

ALU	-	-	-	-	-	-	-	-	-	-
-	F100 METAL	-	-	-	BDX	39C Vitrified	-	-	Carbide Burrs	R929
-	-	-	-	-	-	-	High Strength buffing disc	Beartex High Strength	-	Beartex
-	-	-	-	-	-	Norton Quantum	-	-	-	Beartex
-	-	-	-	-	-	-	-	Carbide Burrs	R929	-
-	-	-	-	-	-	-	-	-	R929	-

# ANGLE GRINDER

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**NORTON**

SAINT-GOBAIN®

From cutting and grinding to prepare metal for welding to material removal, blending and polishing after welding, Norton has a product for you.



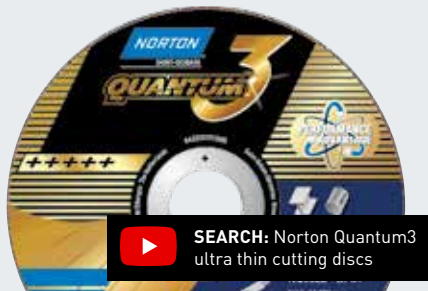
## PERFORMANCE

### NORTON QUANTUM3

- Ceramic self sharpening grain for the fastest cut and long life
- High cut accuracy and reduced vibration deliver best in class performance

CARBON STEEL ✓

STAINLESS STEEL ✓✓



TYPE	DIMENSIONS (mm)	RECOMMENDED FOR	SPEC	PK QTY	ITEM No.	
41	115	1,0 x 22,23	Speed & comfort on thin metal	NQ 60 ZZ	25	66253371347
		1,3 x 22,23	Fast cut on thin metal	NQ 60 ZZ	25	66253371348
		1,6 x 22,23	More control on thicker metal	NQ 46 ZZ	25	66253371349
125	125	1,0 x 22,23	Speed & comfort on thin metal	NQ 60 ZZ	25	66253371350
		1,3 x 22,23	Fast cut on thin metal	NQ 60 ZZ	25	66253371351
		1,6 x 22,23	More control on thicker metal	NQ 60 ZZ	25	66253371352
42	125	2,5 x 22,23	Longer life on thick stock	NQ 24 P	25	66252845954
		2,5 x 22,23	Longer life on thick stock	NQ 24 P	25	66252846125

## ECONOMY

### VULCAN

- Excellent price vs. performance ratio
- Aluminium oxide grain for fast material removal
- Fast and controlled cut rate on thick material

CARBON STEEL ✓

STAINLESS STEEL ✓✓



TYPE	DIMENSIONS (mm)	RECOMMENDED FOR	SPEC	PK QTY	ITEM No.	
41	115	1,0 x 22,23	Fast cut on thin metal	A60 S	25	66252925431
		1,6 x 22,23	More control on thicker metal	A46 S	25	66252925432
		2,5 x 22,23	Longer life on thick stock	A30 S	25	66252925442
125	125	1,0 x 22,23	Fast cut on thin metal	A60 S	25	66252925433
		1,6 x 22,23	More control on thicker metal	A46 S	25	66252925434
		2,5 x 22,23	Longer life on thick stock	A30 S	25	66252925443
42	115	2,5 x 22,23	Longer life on thick stock	A30 S	25	66252925490
		125	2,5 x 22,23	Longer life on thick stock	A30 S	25

## PERFORMANCE

### VULCAN

- Engineered specifically for stainless steel
- Great price vs performance ratio
- Thicker wheels are ideal for longer life and more control in heavy-duty applications

STAINLESS STEEL ✓✓



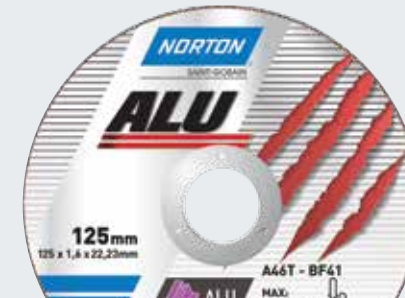
TYPE	DIMENSIONS (mm)	RECOMMENDED FOR	SPEC	PK QTY	ITEM No.	
41	115	1,0 x 22,23	Fast cut on thin metal	A60 T INOX	25	66252833400
		1,6 x 22,23	More control on thicker metal	A46 T INOX	25	66252833401
125	125	1,0 x 22,23	Fast cut on thin metal	A60 T INOX	25	66252833402
		1,6 x 22,23	More control on thicker metal	A46 T INOX	25	66252833403
		2,5 x 22,23	Longer life on thick stock	A30 S INOX	25	66252833409
42	115	2,5 x 22,23	Longer life on thick stock	A30 S INOX	25	66252833487
		125	2,5 x 22,23	Longer life on thick stock	A30 S INOX	25

## PERFORMANCE

### ALU

- Specifically designed grain and bond system to cut through aluminium without clogging.
- Counteracts loading and wheel glazing for fast and easy cutting action

ALUMINIUM ✓✓



TYPE	DIMENSIONS (mm)	RECOMMENDED FOR	SPEC	PK QTY	ITEM No.	
41	115	1,0 x 22,23	Fast cut on thin aluminium	A60 Q	25	66252828236
		1,6 x 22,23	More control on thicker aluminium	A46 Q	25	66252828233
125	125	1,0 x 22,23	Fast cut on thin aluminium	A60 Q	25	66252828237
		1,6 x 22,23	More control on thicker aluminium	A46 N	25	66252828270
		1,6 x 22,23	More control on thicker aluminium	A46 Q	25	66252828234
		2,5 x 22,23	Longer life on thick aluminium	A36 Q	25	66252828227

# ANGLE GRINDER GRINDING WHEELS

## PERFORMANCE

### NORTON QUANTUM3

- Self-sharpening ceramic grain for high material removal and less grinding time
- More comfortable to use with reduced hand fatigue from less cutting vibration.



**SEARCH:** Norton Quantum3  
Light Comfort Grinding Wheels

CARBON STEEL ✓

STAINLESS STEEL ✓✓

TYPE	DIMENSIONS (mm)		RECOMMENDED FOR	SPEC	PK QTY	ITEM No.
27	115	7,0 x 22,23	Heavy & fast stock removal	NQ 24 P	10	66253371361
	125	7,0 x 22,23	Heavy & fast stock removal	NQ 24 P	10	66253371362
	115	4.2 x 22,23	Cutting & Grinding	NQ 24 R	20	66253371356
	125	4.2 x 22,23	Cutting & Grinding	NQ 24 R	20	66253371357
	115	3,0 x 22,23	Light Comfort Grinding	NQ 30 S	10	66252846608
	125	3,0 x 22,23	Light Comfort Grinding	NQ 30 S	10	66252846609

## ECONOMY

### VULCAN

- Excellent price vs performance ratio
- Ideal for heavy-duty applications



CARBON STEEL ✓✓

TYPE	DIMENSIONS (mm)		RECOMMENDED FOR	SPEC	PK QTY	ITEM No.
27	115	6,4 x 22,23	Heavy & fast stock removal	A30 S	10	66252925522
	125	4,0 x 22,23	More comfort and control	A30 S	10	66252925519
		6,4 x 22,23	Heavy & fast stock removal	A30 S	10	66252925526
		8,0 x 22,23	Heavy duty & long life	A30 S	10	66252925527



**THE SAME  
GAME.**



**DIFFERENT  
RULES.**

Grinding wheels,  
but not as you know them.



**LCG**  
LIGHT COMFORT  
GRINDING

**NORTON QUANTUM3  
LIGHT COMFORT GRINDING (LCG).**  
Only 3mm in thickness.  
Faster, smoother and more precise when light grinding.

**PUT LCG TO THE TEST.**  
Request a sample today and see the difference for  
yourself in light grinding operations.



## FLAP OR FIBRE DISC

If you want to remove material quickly, but require more control and a better finish than a grinding disc can offer, there are two choices; flap or fibre discs.

### FIBRE DISCS ARE THE BEST CHOICE WHEN:

- You need to remove material quickly
- The part has flat areas, shapes or contours which need to be followed
- Abrasive life is not the driving factor
- Cost of abrasive is important

### TOP TIP

If you are grinding on a flat surface or contours, use a softer back up pad so the disc can conform to the surface shape, which will give you a better finish. If you want to remove the material as quickly as possible then use a hard backup pad. This will increase the pressure in the contact area by forcing the sharp abrasive into the material.

If you require a high quality finish on stainless steel, don't use a grit coarser than P60. Coarse grits will leave deep scratch marks which will require extensive time and money spent on blending products to remove the damage.



## PERFORMANCE

### NORTON QUANTUM F996

- Ceramic grain with a supersize layer makes this product ideal for stainless steel.
- The self-sharpening grain provides high performance and fast cutting action throughout the disc life, whilst the supersize layer reduces heat build up on the part, improving the finish quality



CARBON STEEL ✓ STAINLESS STEEL ✓✓

DIM (mm)	GRIT	RECOMMENDED FOR	PK QTY	ITEM No.
115 x 22	36	Bevelling or quick material removal	25	66623327494
	50	Bevelling or quick material removal	25	66623327496
	60	Weld removal with less surface damage	25	66623327497
	80	Weld removal with fewer steps to a fine finish	25	66623327499
125 x 22	36	Bevelling or quick material removal	25	66623327501
	50	Bevelling or quick material removal	25	66623327502
	60	Weld removal with less surface damage	25	66623327503
	80	Weld removal with fewer steps to a fine finish	25	66623327504

## ECONOMY

### NORZON F827

- High stock removal rate on carbon steel.
- Coarse grits are ideal for fast and heavy material removal, finer grits are recommended when a finer surface finish is the end requirement



CARBON STEEL ✓✓ STAINLESS STEEL ✓

DIM (mm)	GRIT	RECOMMENDED FOR	PK QTY	ITEM No.
115 x 22	36	Bevelling or quick material removal	25	63642539615
	50	Bevelling or quick material removal	25	69957360053
	60	Weld removal with less surface damage	25	63642539616
	80	Weld removal with fewer steps to a fine finish	25	63642539617
125 x 22	36	Bevelling or quick material removal	25	63642536483
	50	Bevelling or quick material removal	25	63642539620
	60	Weld removal with less surface damage	25	69957360057
	80	Weld removal with fewer steps to a fine finish	25	63642539622

## ECONOMY

### METAL F100

- Tough aluminium oxide abrasive which is a good cost-effective choice for Aluminium and other soft to grind metals.

CARBON STEEL ✓

ALUMINIUM ✓✓



DIM (mm)	GRIT	RECOMMENDED FOR	PK QTY	ITEM No.
115 x 22	24	Bevelling or quick material removal	25	66623385738
	36	Bevelling or quick material removal	25	66623385741
	60	Weld removal with less surface damage	25	66623385748
	80	Weld removal with fewer steps to a fine finish	25	66623385750
125 x 22	24	Bevelling or quick material removal	25	66623385764
	36	Bevelling or quick material removal	25	66623385768
	60	Weld removal with less surface damage	25	66623385775
	80	Weld removal with fewer steps to a fine finish	25	66623385776

### NYLON FIBREGLASS REINFORCED BACK UP PAD

- For tougher grinding operations
- Grits 36 & finer

SIZE (mm)	THREAD	DENSITY	MAX RPM	PK QTY	ITEM No.
115	M14	RIGID	13300	5	66623376727
125	M14	RIGID	12200	5	66623376821
	5/8	RIGID	12200	5	66623377068



### NYLON FIBREGLASS BACK UP PAD

- For universal use
- Grits 60 & finer

SIZE (mm)	THREAD	DENSITY	MAX RPM	PK QTY	ITEM No.
115	M14	HARD	13300	5	69957382828
	M14	MEDIUM	13300	5	69957382825
125	M14	HARD	12200	5	69957382829
	M14	MEDIUM	12200	5	69957382826



## CERAMIC GRAIN

### THE SCIENCE BEHIND THE BENEFITS:

Norton ceramic grain has been engineered with the perfect combination of hardness and toughness to control the micro-fracturing grains. The controlled micro-fracturing of the grain provides a continuous plethora of fresh sharp cutting edges during grinding, raising the performance of each grain to over 80%.



### KEY BENEFITS

- Less machine maintenance
- Less metallurgical damage and improved part quality
- Less operator fatigue

**WORK FASTER, NOT HARDER  
WITH NORTON QUANTUM CERAMIC GRAIN**

## FLAP DISC

### FLAP DISCS ARE THE BEST CHOICE WHEN:

- Long abrasive life is required
- Disc change downtime must be reduced
- You need a similar type of product as the grinding disc, with less vibration
- You need a tough and versatile disc
- You are deburring sharp edges

### TOP TIP

Recommended angle for use is around 15 degrees, the flaps of conical discs are set at this angle. A steeper angle will make the disc more aggressive, but will wear away the edge quickly. Too shallow and the M14 grinder thread will touch and damage your material. Pressure is important - too much pressure produces extra heat and burns the abrasive flaps, too little will not break down the abrasive to release new cutting edges and cause glazing.



## PERFORMANCE

### NORTON X-TREME PRO R928

- Self-sharpening grain with a supersize layer reduces burning or blueing on the workpiece.
- Strong fibreglass backing pad sustains long life use.
- Ideal for working with Stainless Steel where speed and quality are both important.



CARBON STEEL	✓
STAINLESS STEEL	✓✓

DIM (mm)	GRIT	RECOMMENDED FOR	PK QTY	ITEM No.
115 x 22 	40	Heavy, quick stock removal	10	66261143333
	60	Heavy, quick stock removal	10	66261143336
	80	Weld removal with fewer steps to a fine finish	10	66261143337
125 x 22 	40	Heavy, quick stock removal	10	66261143339
	60	Heavy, quick stock removal	10	66261143340
	80	Weld removal with fewer steps to a fine finish	10	66261143341



## ECONOMY

### VULCAN R842

- A versatile product with an excellent price-performance ratio for heavy and rough applications on carbon steel.
- Fibreglass back-up pad sustains use for long product life.



CARBON STEEL	✓✓
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DIM (mm)	GRIT	RECOMMENDED FOR	PK QTY	ITEM No.
115 x 22 	40	Heavy, quick stock removal	10	63642502311
	60	Heavy, quick stock removal	10	63642502312
	80	Weld removal with fewer steps to a fine finish	10	63642502313
125 x 22 	40	Heavy, quick stock removal	10	63642502315
	60	Heavy, quick stock removal	10	63642502317
	80	Weld removal with fewer steps to a fine finish	10	63642502318

## PERFORMANCE


### BLAZE RAPID STRIP R9101

- Lasts up to twice as long as other ceramic discs
- Best choice for removal of rust and residue
- Fast & aggressive, without damaging the metal

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



 **SEARCH:**  
Blaze Rapid Strip disc

SHAPE	DIM (mm)	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
Flat	115 x 22	Cleaning and removing scale & paint	12000	10	66623303783
	125 x 22	Cleaning and removing scale & paint	11000	10	66623303916
Conical	125 x 22	Cleaning and removing scale & paint	12000	10	66261118630

## PERFORMANCE

### HIGH STRENGTH DISC F2303

- High strength nylon for longer life in contoured applications
- Open structure to prevent loading

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓

ALUMINIUM ✓✓



DIM (mm)	GRADE	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
115 x 22	Medium	Weld preparation and cleaning	12000	10	66261020549
125 x 22	Medium	Weld preparation and cleaning	12000	10	78072702394

## CONTAMINANTS

Blaze Rapid Strip and High Strength discs are ideal for quickly removing surface contaminants like mill scale, rust and coatings like paint or corrosion prior to welding to ensure a clean weld.



## WELD CLEANING

In some applications, removing the weld prior to further coatings or fabrication steps is not required. In these instances, gentle cleaning of the weld to remove heat burn and contaminants, without stripping away any material, is desirable.



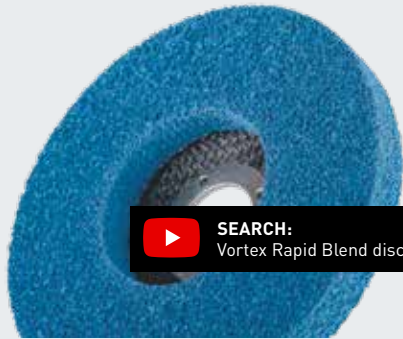
## PERFORMANCE


### VORTEX RAPID BLEND U2305

- High performance engineered grain for long life
- Fewer steps to a final finish quality
- Conformable structure gives a homogenous finish
- For best results, use at 6000 RPM

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



 **SEARCH:**  
Vortex Rapid Blend disc

SHAPE	DIM (mm)	GRADE	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
Flat	115 x 12 x 22	5AM	Light cut and finish	12000	10	66254429268
	125 x 12 x 22	5AM	Light cut and finish	12000	10	66254496323

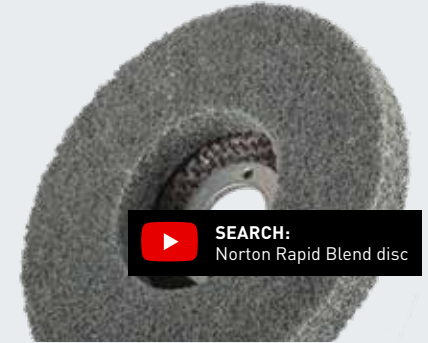
## ECONOMY


### RAPID BLEND NEX

- Imparts a high quality, shiny surface finish
- The new 3SF discs have a harder density for longer life and good form holding
- For best results, use at 6000 RPM

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



 **SEARCH:**  
Norton Rapid Blend disc

SHAPE	DIM (mm)	GRADE	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
Flat	115 x 12 x 22	NEX 2SF	Pre-polished finish	12000	10	66261020546
	115 x 12 x 22	NEX 3SF	Pre-polished finish	12000	10	66254461726
	125 x 12 x 22	NEX 2SF	Pre-polished finish	12000	10	66254496320
	125 x 12 x 22	NEX 3SF	Pre-polished finish	12000	10	77696067125

## 4 STEPS TO A MIRROR FINISH ON STAINLESS STEEL

### STEP 1



Remove the weld material with Norton Quantum P60 flap disc

### STEP 2



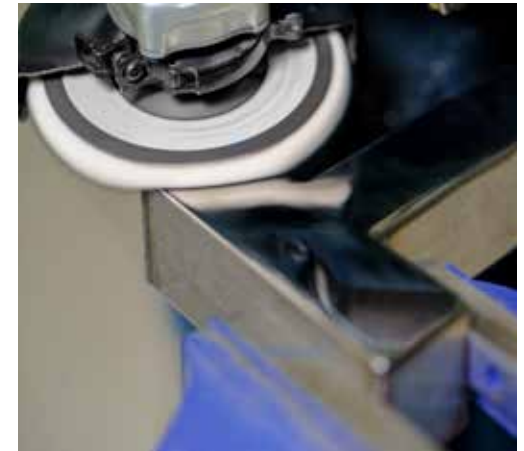
Blend away scratches with Vortex Rapid Blend in 5AM. For best results reduce grinder speed to 6-7000 rpm.

### STEP 3



Refine your finish with an NEX 2SF disc, which will impart a bright, pre-polished result. For best results reduce grinder speed to 6000-7000 rpm.

### STEP 4



Use a felt wool pad with a polishing compound in slow, regular motions at a low speed (2-3000 rpm) to gently buff and polish your material to a bright mirror shine.

## PERFORMANCE

### VORTEX RAPID PREP SCM FLAP DISCS

- Flap construction offers long life and durability
- Vortex grain with Clean Bond™ technology to reduce smearing

CARBON STEEL ✓

STAINLESS STEEL ✓✓

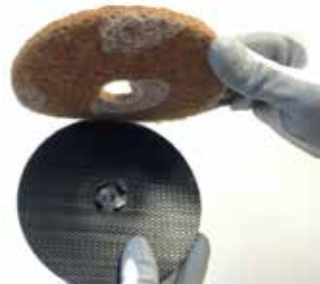


SEARCH: Norton Vortex Rapid Prep

SHAPE	CAP CODE	GRADE	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
115 x 22	S2203	Coarse	Cleaning, light deburring	12200	10	66261130726
	S2303	Medium	Blending	12200	10	66261130773
	S2403	Fine	Refining	12200	10	66261130776
	S2503	V Fine	Finishing	12200	10	66261130777
125 x 22	S2203	Coarse	Cleaning, light deburring	12200	10	66261130779
	S2303	Medium	Blending	12200	10	66261130780
	S2403	Fine	Refining	12200	10	66261130781
	S2503	V Fine	Finishing	12200	10	66261130782

### SELF-GRIP BACK UP PAD WITH LOCATING CENTRE PIN

SIZE (mm)	THREAD	DENSITY	PK QTY	ITEM No.
115	M14	Medium	1	77696076935
125	M14	Medium	1	77696076941



### SELF-GRIP BACK UP PAD

SIZE (mm)	THREAD	DENSITY	PK QTY	ITEM No.
115	M14	Medium	1	69957382846
115	5/8	Medium	1	63642595937
125	M14	Medium	1	69957382841
125	5/8	Medium	1	63642595938



## PERFORMANCE

### VORTEX RAPID PREP SCM SELF-GRIP, REMOVABLE CENTRE HOLE

- Clean Bond™ technology for reduced smearing
- Achieve a burr-free finish in fewer steps without damaging the base material

CARBON STEEL ✓

STAINLESS STEEL ✓✓



SHAPE	CAP CODE	GRADE	RECOMMENDED FOR	PK QTY	ITEM No.
115 x 22	S2103	Ex Coarse	Material removal	25	66623378983
	S2203	Coarse	Material removal	25	66623378984
	S2303	Medium	Blending	25	66623378987
	S2403	Fine	Refining	25	66623378990
	S2503	V Fine	Finishing	25	66623379028
125 x 22	S2103	Ex Coarse	Material removal	25	66623378982
	S2203	Coarse	Material removal	25	66623378985
	S2303	Medium	Blending	25	66623378988
	S2403	Fine	Refining	25	66623378991
	S2503	V Fine	Finishing	25	66623379029

## PERFORMANCE

### RAPID POLISH F0005

- T29 felt wool polishing pad for smooth, scratch free result
- For best results, use at 2000 RPM

STAINLESS STEEL ✓✓



SHAPE	TYPE	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
115 x 22	XFLD	Mirror polishing stainless steel	8500	10	66254481899
125 x 22	XFLD	Mirror polishing stainless steel	7700	10	63642573692

### POLISHING COMPOUNDS

COLOUR	DIM WxLxH	RECOMMENDED FOR	PK QTY	ITEM No.
GREEN	55 x 160 x 38	Gloss finish, aluminium and stainless steel	1	7660739108
WHITE	55 x 160 x 38	Super high gloss finish, stainless steel, alu & non ferr	1	7660739109

**PERFORMANCE**

**CRIMPED CUP BRUSHES**

- Use on large surfaces for fast contaminant removal
- Guard protects against flying debris

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



D x A L (mm)	GRINDER SIZE (mm)	RECOMMENDED FOR	PK QTY	ITEM No.
75 x M14 T22	115 & 125	Carbon steel	1	66261103046
75 x M14 T22	115 & 125	Stainless steel	1	66261103171

**ECONOMY**

**TWIST KNOT CUP BRUSHES**

- Ideal for aggressive cleaning of heavy rust, weld scale and paint
- Use a cup brush for fast cleaning of large, flat surfaces

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



D x A L (mm)	GRINDER SIZE (mm)	RECOMMENDED FOR	PK QTY	ITEM No.
65 x M14 T20	115 & 125	Carbon steel	1	66254406095
65 x M14 T20	115 & 125	Stainless steel	1	66254406068

**PERFORMANCE**

**TWIST KNOTTED WHEEL BRUSHES**

- Powerful stripping of rust, paint corrosion and weld spatter
- Wheel shape is ideal for hard to reach areas and corners

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



D x A L (mm)	GRINDER SIZE (mm)	RECOMMENDED FOR	PK QTY	ITEM No.
115 x 6 x 22,2 T22	115 & 125	Carbon steel	1	63642581151
115 x 6 x 22,2 T22	115 & 125	Stainless steel	1	63642581639
125 x 6 x 22,2 T23	115 & 125	Carbon steel	1	63642581157
125 x 6 x 22,2 T23	115 & 125	Stainless steel	1	63642581640



**NORTON**

SAINT-GOBAIN

# MINI GRINDER

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The smaller cousin of the right angle grinder, mini grinders are ideal for working in small areas and tight spaces. Our SpeedLok™ fastening system enables quick disc changes to maximise productivity and minimise downtime.

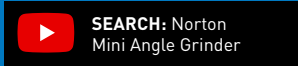




## SPEEDLOK™ DISCS FOR MINI ANGLE GRINDERS

The tool-free fastening system enables quick disc changes to maximise productivity and minimise downtime. Ideal for light to medium-pressure grinding, blending and finishing on small or difficult to access areas.

The SpeedLok fastening locks the disc securely to the back-up pad, with no slipping or release, when in use.. The two button attachment systems (TR or TS) ensures the disc is properly centered and vibration free.



## PERFORMANCE

### BLAZE R980P

- Best choice for stainless steel, with a supersize layer to reduce heat build-up
- Ceramic grain removes material quickly



CARBON STEEL ✓✓

STAINLESS STEEL ✓✓

SIZE (mm)	GRIT	RECOMMENDED FOR	RPM RANGE	PK QTY	TR	TS
50	36	Beveling & weld removal	5700 to 13400	50	63642597039	69957390698
	50	Beveling & weld removal		50	63642597045	69957390699
	60	Weld removal to a finer finish		50	63642597050	69957390700
	80	Weld removal to a finer finish		50	63642597052	69957390701
75	36	Beveling & weld removal	3800 to 8900	50	63642597053	69957390702
	50	Beveling & weld removal		50	63642597057	69957390703
	60	Weld removal to a finer finish		50	63642597060	69957390704
	80	Weld removal to a finer finish		50	63642597062	69957390705

## ECONOMY

### X-TREME R844P

- Self-sharpening zirconia alumina plus grain
- Aggressive cut and longer life
- High stock removal rate on tough applications



CARBON STEEL ✓✓

SIZE (mm)	GRIT	RECOMMENDED FOR	RPM RANGE	PK QTY	TR	TS
50	36	Beveling & weld removal	5700 to 13400	50	63642560882	63642549747
	50	Beveling & weld removal		50	69957389455	69957360306
	60	Weld removal to a finer finish		50	63642556396	63642549748
	80	Weld removal to a finer finish		50	63642560884	63642549749
75	36	Beveling & weld removal	3800 to 8900	50	63642560886	63642549605
	50	Beveling & weld removal		50	69957389465	69957360307
	60	Weld removal to a finer finish		50	63642560887	63642539858
	80	Weld removal to a finer finish		50	63642560888	69957360313

## ECONOMY

### BDX ARY19

- For hard to grind materials that require an economical option
- Resistant to edge wear and fraying



CARBON STEEL ✓✓

ALUMINIUM ✓✓

SIZE (mm)	GRIT	RECOMMENDED FOR	RPM RANGE	PK QTY	TR	TS
50	36	Beveling & weld removal	5700 to 13400	50	63642586683	63642586651
	60	Weld removal to a finer finish		50	69957389332	63642586656
	80	Weld removal to a finer finish		50	63642586687	63642586660
75	60	Weld removal to a finer finish	3800 to 8900	50	63642586731	63642586699
	80	Weld removal to a finer finish		50	63642586733	63642586705

## PERFORMANCE

### BLAZE RAPID STRIP

- Lasts up to twice as long as other ceramic discs
- Best choice for removal of rust and residue
- Fast & aggressive, without damaging the metal

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



SIZE (mm)	RECOMMENDED FOR	MAX RPM	PK QTY	TR
50	Weld preparation and cleaning	20000	25	66623303912
75	Weld preparation and cleaning	15000	25	66261096557

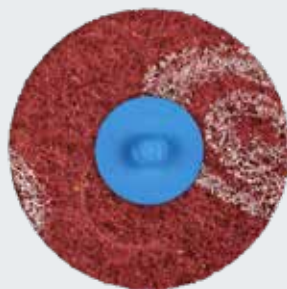
## PERFORMANCE

### VORTEX RAPID PREP SCM

- Clean Bond™ resin system for a consistent, smear-free finish
- Best choice for cleaning and conditioning

CARBON STEEL ✓✓

STAINLESS STEEL ✓



SIZE (mm)	GRADE	CAP CODE	RECOMMENDED FOR	PK QTY	TR
50	X Coarse	S2103	Cleaning, light deburring	50	66623378336
	Coarse	S2203	Cleaning, light deburring	50	66623378340
	Medium	S2303	Blending	50	66623378342
	Fine	S2403	Refining	50	66623378345
75	V Fine	S2503	Finishing	50	66623378347
	X Coarse	S2103	Cleaning, light deburring	25	66623378337
	Coarse	S2203	Cleaning, light deburring	25	66623378341
	Medium	S2303	Blending	25	66623378343
	Fine	S2403	Refining	25	66623378346
	V Fine	S2503	Finishing	25	66623378348

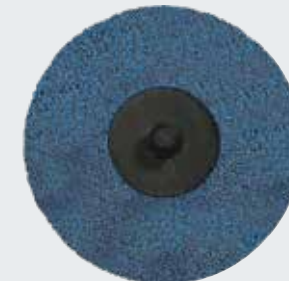
## PERFORMANCE

### VORTEX RAPID BLEND U2305

- Closed structure for fast surface blending
- Maintains form on all surfaces, including shapes and contours

CARBON STEEL ✓

STAINLESS STEEL ✓✓



SIZE (mm)	GRADE	RECOMMENDED FOR	MAX RPM	PK QTY	TR
50 x 6	3AM	Deburring, blending, cleaning	22000	60	66254428237
	5AM	Deburring, blending, cleaning	22000	60	66254413660
75 x 3	5AM	Deburring, blending, cleaning	18000	40	66261093556
75 x 6	3AM	Deburring, blending, cleaning	18000	40	66254428238
	5AM	Deburring, blending, cleaning	18000	40	66254413661

## ECONOMY

### RAPID BLEND NEX

- Imparts a high quality, shiny surface finish
- Fine silicon carbide and flexible density construction for smooth blending/finishing.

CARBON STEEL ✓

STAINLESS STEEL ✓✓



SIZE (mm)	GRADE	CAP CODE	RECOMMENDED FOR	MAX RPM	PK QTY	TR
50	2S Fine	U4401	Blending, polishing, finishing	22000	10	63642585677
	3S Fine	U4401	Blending, polishing, finishing	22000	10	66254473613
75	2S Fine	U4401	Blending, polishing, finishing	15000	10	63642585691
	3S Fine	U4401	Blending, polishing, finishing	15000	10	66254473614

## PERFORMANCE

### HIGH STRENGTH BUFFING DISC

- Tough yet conformable, resists tearing on burrs and sharp edges
- Premium aluminium oxide grain for aggressive blending and cleaning without smearing

CARBON STEEL	✓✓
STAINLESS STEEL	✓✓
ALUMINIUM	✓✓



SIZE (mm)	GRADE	CAP CODE	RECOMMENDED FOR	PK QTY	TR
50	Medium A	F2303	Hard, heavy contaminant removal	50	636242585924
	V Fine A	F2506	Blending and cleaning	50	08834163987
75	Medium A	F2303	Hard, heavy contaminant removal	50	08834164065
	V Fine A	F2506	Blending and cleaning	50	63642585932

## PERFORMANCE

### RAPID POLISH

- Premium quality felt for use with a polishing compound to impart a mirror shine

STAINLESS STEEL	✓✓
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SIZE	GRADE	RECOMMENDED FOR	PK QTY	TR
50	Medium A	Mirror polishing stainless steel	50	63642587165
75	Medium A	Mirror polishing stainless steel	50	63642587167

### POLISHING COMPOUNDS

COLOUR	DIM WxLxH	RECOMMENDED FOR	PK QTY	TR
Green	55 x 160 x 38	Gloss finish, aluminium and stainless steel	1	7660739108
White	55 x 160 x 38	Super high gloss finish, stainless steel, alu & non ferr	1	7660739109

### RUBBER BACK UP PAD FOR MINI GRINDER

- 6mm spindle

SIZE (mm)	DENSITY	MAX RPM	PK QTY	TR	TS
50	Medium	19000	1	7660717817	63642501157
	Hard	19000	1	63642586931	63642586926
75	Medium	12800	1	63642556631	7660707384
	Hard	12800	1	66254401460	63642586932



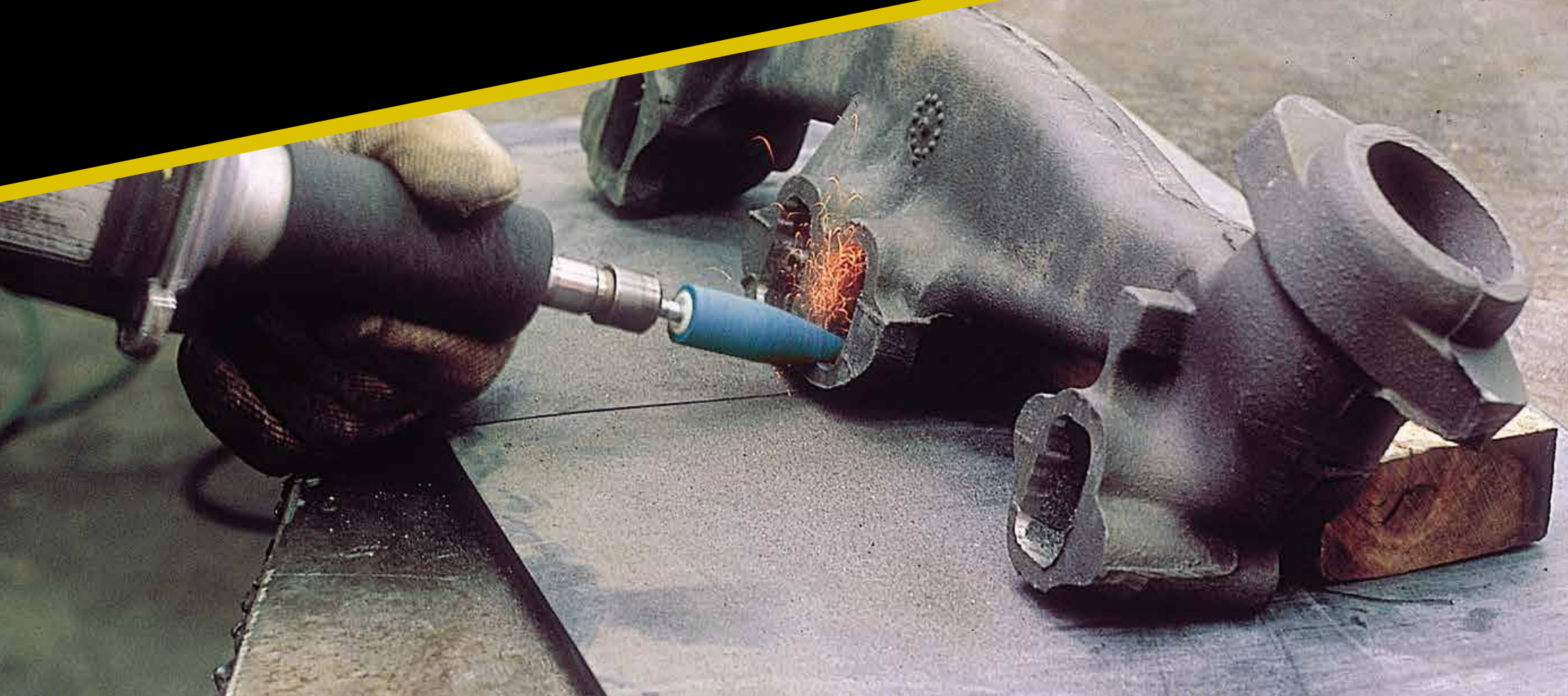
**NORTON**

SAINT-GOBAIN®

# DIE GRINDER

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Die grinders are versatile and adaptable machines. In this section, you will find product solutions for everything from weld removal, internal diameter grinding and imparting linear finishes to your metal.



**PERFORMANCE**

**BLAZE RAPID STRIP WHEELS**

- Lasts up to twice as long as other stripping discs
- Best choice for removal of rust and residue
- Fast & aggressive, without damaging the metal

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



DIMS (mm) DxWxB	CAP CODE	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
<b>STANDARD</b>					
100 x 13 x 12	R9101	Weld preparation and cleaning	8000	25	66623304856
150 x 13 x 12	R9101	Weld preparation and cleaning	8000	15	66261099378
200 x 13 x 12	R9102	Weld preparation and cleaning	4500	5	66623393517*
<b>SPINDLE MOUNTED</b>					
100 x 13 x 6	R9101	Weld preparation and cleaning	8000	5	66623378059
150 x 13 x 8	R9101	Weld preparation and cleaning	5500	10	66623334482

\* Made to order

**PERFORMANCE**

**VORTEX RAPID BLEND WHEELS U2305**

- High performance engineered grain & long life
- Fewer steps to a final finish quality
- Conformable structure for a homogenous finish

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



**SEARCH:** Norton Finishing Stainless Steel

DIMS (mm) DxWxB	GRADE	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
<b>STANDARD</b>					
75 x 6 x 6	VOR-5AM	Blending and refining	18000	40	66254414832
125 x 6 x 22	VOR-5AM	Blending and refining	9000	20	66254488602
150 x 6 x 25	VOR-5AM	Blending and refining	7500	8	66254414167
<b>SPINDLE MOUNTED</b>					
150 x 13 x 8	3AM	Blending	8000	10	66623375067



**ECONOMY**

**BEARTEX HIGH STRENGTH WHEELS**

- High strength nylon is resistant to tearing and ideal for contoured applications where flexibility is required
- Open structure prevents loading and smear-proof resin binders produce a light satin finish

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓

ALUMINIUM ✓✓



DIMS (mm) D x B	CAP CODE	GRADE	RECOMMENDED FOR	PK QTY	ITEM No.
100 x 8	F2303	Medium	Weld preparation and cleaning	10	66254429562
150 x 12	F2303	Medium	Weld preparation and cleaning	10	77696087534
	F2506	V Fine	Blending surface imperfections	10	77696087535
200 x 12	F2303	Medium	Weld preparation and cleaning	10	77696087536
	F2506	V Fine	Blending surface imperfections	10	77696087537

## ECONOMY

### RAPID BLEND NEX

- Imparts a high quality, shiny surface finish
- Fine silicon carbide and flexible density construction for smooth blending/finishing.



CARBON STEEL ✓✓

STAINLESS STEEL ✓✓

DIMS (mm) DxWxB	CAP CODE	GRADE	RECOMMENDED FOR	MAX RPM	PK QTY	ITEM No.
<b>STANDARD</b>						
75 x 6 x 6	U4401	NEX-2SF	Pre-polished finish	12100	10	63642585768
	U4401	NEX-3SF	Pre-polished finish	12100	10	63642571113
125 x 6 x 22	U4401	NEX-2SF	Pre-polished finish	6000	20	66254488603
	U4401	NEX-3SF	Pre-polished finish	6000	20	66254489419
150 x 25 x 25	U4401	NEX-2SF	Pre-polished finish	5000	5	63642585795

### MANDRELS STANDARD WHEELS

DISCS (mm) D x W x B	SPINDLE DIA (mm)	PK QTY	ITEM No.
< 150 x 13 x 12	6	1	07660707022
< 200 x 13 x 12	8	1	07660707023

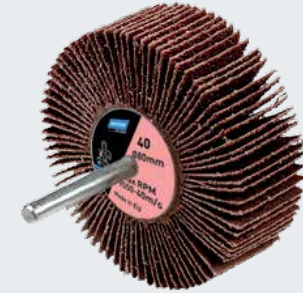




**ECONOMY**

**BDX R207 PLUS**

- Excellent cut rate even at low pressure
- Good price vs performance ratio
- Recommended for imparting a linear finish on carbon steel



CARBON STEEL ✓✓

STAINLESS STEEL ✓✓

DIMS (mm) DIAxWxS	GRIT	RECOMMENDED FOR	RECOMMENDED RPM	PK QTY	ITEM No.
40 x 20 x 6	40	Heavy stock removal	7100 to 12000	10	63642539938
	60	Medium stock removal		10	63642546771
	80	Light stock removal		10	63642546768
60 x 30 x 6	40	Heavy stock removal	7100 to 12000	10	63642536737
	60	Medium stock removal		10	63642531868
	80	Light stock removal		10	63642531865
80 x 30 x 6	40	Heavy stock removal	5700 to 9500	10	69957360911
	60	Medium stock removal		10	63642531867
	80	Light stock removal		10	63642533096

## PERFORMANCE

### BLAZE R920

- Ceramic alumina grain for fast cut rate and long life
- Supersize layer for cool cuts on stainless steel



CARBON STEEL ✓✓

STAINLESS STEEL ✓✓

DIM (mm) BS x L x B	GRIT	RECOMMENDED FOR	RPM	PK QTY	ITEM No.	MANDREL CODE
<b>STRAIGHT ZPE</b>						
80		Corners & edges	8800 to	50	66261128990	63642556791
120		Corners & edges	13200	50	66261128999	
80		Corners & edges	6000 to	50	66261128992	63642556791
120		Corners & edges	9000	50	66261129001	
<b>SPIRAL ZSPI</b>						
10 x 38 x 3	60	Small areas & channels		50	66261129486	
	80	Small areas & channels	11500 to	50	66261129493	63642556791
	120	Small areas & channels	17200	50	66261129501	

BS = Base diameter L = Length B = Bore



### STEEL MANDREL FOR CARTRIDGE ROLLS

DISCS (mm) DIA x L	SHAFT DIA (mm)	PK QTY	ITEM No.
3 x 19	6	1	63642556790
3 x 25	6	1	63642556791






## PERFORMANCE

### NORTON QUANTUM VITRIUM<sup>3</sup>

- Vitrium3 bond technology reduces the build up of grinding heat to maintain metal quality
- Self sharpening ceramic grain means free cutting action and fast metal removal without glazing

CARBON STEEL ✓✓

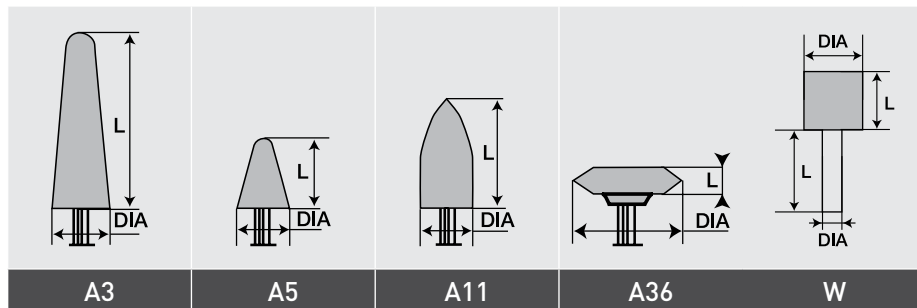
STAINLESS STEEL ✓✓

 **SEARCH:** Norton Quantum Mounted Points



SHAPE	DIM (mm) D x T	SPINDLE S x L (mm)	GRIT	RECOMMENDED FOR	MOS	PK QTY	ITEM No.
A3	22 x 70	6 x 40	46	ID & OD grinding	14000	10	69078664025
A3	22 x 70	6 x 40	60	ID & OD grinding	14000	10	69078663919
A5	20 x 28	6 x 40	46	ID & OD grinding	30000	10	69078664027
A5	20 x 28	6 x 40	60	ID & OD grinding	30000	10	69078663924
A11	22 x 45	6 x 40	60	ID & OD grinding	18000	10	69078663906
A36	40 x 10	6 x 40	46	ID & OD grinding	25000	10	69078664037
W163	6 x 13	6 x 40	100	ID & OD grinding	62000	10	66353479006
W169	8 x 10	3 x 40	60	ID & OD grinding	57500	10	66253479008
W176	10 x 13	6 x 40	46	ID & OD grinding	45370	10	66253477412
W207	20 x 40	6 x 40	36	ID & OD grinding	20000	10	66253478404
W207	20 x 40	6 x 40	60	ID & OD grinding	20000	10	66253478407

## RECOMMENDED SHAPE



There are over 200 sizes available from stock, for the full range, speak to your local sales representative or visit our website.

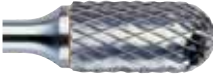



## BDX CARBIDE BURRS DOUBLE CUT

- Unique geometry improves control and reduces chip size
- Increased cut rate and longer life on tough applications
- Universal cutting style for fast material removal

CARBON STEEL ✓✓

STAINLESS STEEL ✓✓



SHAPE	DIM (mm) D1 x L1 x D2 x L2	RECOMMENDED FOR	PK QTY	ITEM No.
<b>C BALL NOSED CYLINDER</b>				
	6 x 18 x 6 x 50	Working in corners	1	66261146521
	10 x 19 x 6 x 65	Working in corners	1	66261146526
	12 x 25 x 6 x 00	Working in corners	1	66261146531
<b>F BALL NOSED TREE</b>				
	6 x 18 x 6 x 50	Harder to reach edges and seams	1	66261146537
	10 x 19 x 6 x 65	Harder to reach edges and seams	1	66261146539
	12 x 25 x 6 x 70	Harder to reach edges and seams	1	66261146540
<b>L BALL NOSED CONE</b>				
	6 x 16 x 6 x 50	Intricate curves and contours	1	60157638156
	10 x 27 x 6 x 75	Intricate curves and contours	1	66261146550
	12 x 30 x 6 x 75	Intricate curves and contours	1	66261146552
<b>D BALL</b>				
	6 x 5 x 6 x 50	Depressed or flat areas	1	66261146533
	10 x 8 x 6 x 53	Depressed or flat areas	1	66261146535
	12 x 11 x 6 x 55	Depressed or flat areas	1	66261146536



# BELT MACHINES

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With over 600 belts to choose from, we've got a product to suit any application need. From economical and fast working solutions to heavy duty high-performance options in a full range of shapes, sizes, grain technology and backing types.

**NORTON**

SAINT-GOBAIN




## COATED BELTS RECOMMENDATION GUIDE

Coated belts listed in this guide are for file belt and backstand machines.

Coated abrasive belts are ideal for large scale grinding and dimensioning.

Additional sizes, specifications and types are also available, contact your local Norton representative to find out more.

	PERFORMANCE		ECONOMY	
	R996	R929	R895	R817
	 <p>Maximum stock removal, reduced heat generation &amp; the best choice for stainless steel</p>	 <p>Ceramic grain and Y-weight polyester backing, extremely durable with active filler for a cooler cut</p>	 <p>New zirconia grain on Y-weight polyester backing for tough applications, high stock removal and long life on various metals</p>	 <p>Zirconia grain on Y-weight polyester backing for tough applications, open structure prevents loading on soft materials</p>
	CERAMIC		ZIRCONIA	
CARBON STEEL	✓	✓✓	✓✓	-
STAINLESS STEEL	✓✓	✓	✓	-
ALUMINIUM	-	✓	-	✓✓

## GRIT RECOMMENDATION CHART

PROCESS	GRIT RANGE
BEVELLING	24 - 40
WELD REMOVAL	36 - 60
BLENDING & REFINING	60 - 120



## FILE BELTS

GRIT	CAP CODE	PK QTY	ITEM No.
<b>10 x 330mm</b>			
40	R929	10	66623303110
60	R929	10	66261144369
80	R929	10	66623303270
120	R929	10	66623303271
<b>13 x 457mm</b>			
40	R996	10	66261128495
40	R929	10	66261123522
60	R996	10	66261128498
60	R929	10	66261123523
80	R996	10	66261128499
80	R929	10	66261123524
120	R929	10	66261123525
<b>13 x 610mm</b>			
40	R929	10	66261123636
60	R929	10	66261123638
80	R929	10	66261123639
120	R929	10	66261123640

## BACKSTAND BELTS

GRIT	CAP CODE	PK QTY	ITEM No.
<b>50 x 2000mm</b>			
24	R996	10	69957364731
36	R996	10	66254403822
36	R929	10	69957350787
36	R895	10	78072724733
36	R817	10	66261134959
40	R929	10	69957350790
40	R895	10	78072724734
40	R817	10	66261194974
60	R996	10	66254411262
60	R929	10	69957350793
60	R895	10	78072724735
60	R817	10	66261194975
80	R996	10	66254449025
80	R929	10	69957350794
80	R895	10	78072724736
80	R817	10	63642552637
120	R929	10	69957350795
120	R817	10	66623319234
<b>50 x 2500mm</b>			
24	R996	10	69957364732







GRIT	CAP CODE	PK QTY	ITEM No.
36	R996	10	66261099222
40	R996	10	66254408229
60	R996	10	66254416129
80	R996	10	66254448015
<b>50 x 3500mm</b>			
24	R996	10	69957364733
36	R996	10	66254404039
40	R996	10	66254404041
60	R996	10	66254436885
80	R996	10	66254456931
<b>75 x 2000mm</b>			
24	R996	10	69957364735
36	R996	10	66254410065
36	R929	10	69957350796
36	R895	10	78072724738
36	R817	10	63642545939
40	R996	10	66254407955
40	R929	10	69957350797
40	R895	10	78072724739
40	R817	10	69957311192
60	R996	10	66254407954

GRIT	CAP CODE	PK QTY	ITEM No.
60	R929	10	69957350799
60	R895	10	78072724741
60	R817	10	66261042198
80	R996	10	66254456158
80	R929	10	69957350800
80	R895	10	78072724742
80	R817	10	63642589957
120	R929	10	69957350801
120	R895	10	78072724745
120	R817	10	63642589956
<b>75 x 2500mm</b>			
36	R895	10	78072724748
40	R895	10	78072724749
60	R895	10	78072724752
80	R895	10	78072724751
120	R895	10	78072724753
<b>150 x 2000mm</b>			
36	R895	10	78072724754
40	R895	10	78072724755
60	R895	10	78072724756
80	R895	10	78072724757
120	R895	10	78072724758

## NON-WOVEN BELTS RECOMMENDATION GUIDE

Vortex Rapid-Prep belts are strong synthetic mesh with Vortex engineered aluminium oxide abrasive bonded by Clean Bond™ smear resistant adhesive. Combines the cutting speed of coarse grits with the finish of fine. Vortex Rapid Prep is more durable and provides a homogeneous finish, reducing the number of steps needed for each job.

Rapid Prep is a general purpose non-woven belt made with standard aluminium oxide which also provides good results for a burr-free, paintable surface. Those listed below are for jobs from light deburring to finishing, for use after coated abrasive belts. Norton also stocks Rapid Prep belts in extra coarse and coarse grades for scale removal and heavy cleaning operations.

	<b>PERFORMANCE</b>	<b>PERFORMANCE</b>	<b>PERFORMANCE</b>	<b>ECONOMY</b>	<b>ECONOMY</b>	<b>ECONOMY</b>
	 <p><b>VORTEX RAPID PREP MEDIUM</b></p> <p>Medium grade removes light burrs, surface defects, rust and corrosion.</p>	 <p><b>VORTEX RAPID PREP FINE</b></p> <p>Fine grade removes paints, and scale built up on metal as well as blending mill marks and imperfections left by other tools.</p>	 <p><b>VORTEX RAPID PREP VERY FINE</b></p> <p>Fine grade smooths uneven edges, applies a decorative finish and prepares metal for the final polishing step.</p>	 <p><b>RAPID PREP MEDIUM</b></p> <p>Medium Rapid Prep removes light burrs, rust and corrosion.</p>	 <p><b>RAPID PREP FINE</b></p> <p>Use a fine grade for blending and refining.</p>	 <p><b>RAPID PREP VERY FINE</b></p> <p>Very fine grade is used for finishing and pre-polishing.</p>
<b>BLENDING</b>	✓ ✓	-	-	✓	-	-
<b>REFINING</b>	-	✓ ✓	-	-	✓	-
<b>FINISHING</b>	-	-	✓ ✓	-	-	✓

SIZE	GRADE	CAP CODE	ITEM No.
<b>VORTEX RAPID PREP - NARROW BELTS</b>			
Various belt sizes available	Extra coarse	S2123	Available on request
	Coarse	S2223	
	Medium	S2323	
	Fine	S2423	
	Very fine	S2523	

SIZE	GRADE	CAP CODE	PK QTY	ITEM No.
<b>RAPID PREP A/O XF - FILE BELTS</b>				
13 x 457mm	Coarse	S2238	20	63642535980
	Medium	S2338	20	63642536113
	Fine	S2438	20	63642536141
	Very fine	S2538	20	66261055311
13 x 610mm	Coarse	S2238	20	63642536122
	Medium	S2338	20	63642536129
	Fine	S2438	20	63642536145
	Very fine	S2538	20	66261019876

SIZE	GRADE	CAP CODE	PK QTY	ITEM No.
<b>RAPID PREP A/O XF - NARROW BELTS</b>				
50x2000mm	Coarse	S2228	5	63642531724
	Medium	S2328	5	63642531726
	Fine	S2428	5	63642531732
	Very fine	S2528	5	63642531733
75x2000mm	Coarse	S2228	5	63642531735
	Medium	S2328	5	63642531741
	Fine	S2428	5	63642531743
	Very fine	S2528	5	63642531751

# MANUAL APPLICATIONS

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Hand pads are a staple in any environment, and here at Norton we've channeled our expertise into creating a range of versatile solutions to meet your application needs.

**NORTON**

SAINT-GOBAIN®



PERFORMANCE

BEARTEX HAND PADS

- Open mesh resists clogging
- Flexible, conforms to curves and contours
- Waterproof, washable and reusable



CARBON STEEL ✓✓

STAINLESS STEEL ✓✓

DIM (mm) W x L	GRADE	CAP CODE	RECOMMENDED FOR	PK QTY	ITEM No.
150 x 230	Extra Cut A	F2302	Rust removal	20	63642557491
	Heavy Duty	F2316	Material removal	20	63642577268
	Medium A	F2300	Cleaning	20	63642557493
	Fine A	F2401	Cleaning	20	66261018286
	Very Fine A long life	F2504	Finishing	20	66261018287
	Medium S	F4300	Stainless steel	20	66261039806

PERFORMANCE

R222

- Aluminium oxide sandpaper sheets
- Flexible J-weight cloth backing
- Tears cleanly and easily



CARBON STEEL ✓✓

ALUMINIUM ✓✓

STAINLESS STEEL ✓✓

DIM (mm) W x L	GRIT	RECOMMENDED FOR	PK QTY	ITEM No.
230 x 280	40	Aggressive cutting action	25	63642531776
	50	Aggressive cutting action	25	63642531777
	60	Powerful sanding action	25	63642531778
	80	Powerful sanding action	25	63642531779
	100	Removing light imperfections	25	63642531780
	120	Removing light imperfections	25	63642531781
	150	Creating a key prior to polishing	25	63642531782
	180	Surface smoothing	25	63642531783

PERFORMANCE

HANDY ROLLS R222

- Flexible cloth backing for use on curves
- Sharp aluminium oxide abrasive
- Handy dispenser for easy use and storage



CARBON STEEL ✓✓

STAINLESS STEEL ✓✓

GRIT	RECOMMENDED FOR	PK QTY	ITEM No.
<b>25mm HANDY ROLLS</b>			
40	Aggressive cutting action	1	63642531849
50	Aggressive cutting action	1	63642531850
60	Powerful sanding action	1	63642531823
80	Powerful sanding action	1	63642531820
100	Removing surface imperfections	1	63642531815
120	Removing surface imperfections	1	63642531811
150	Creating a key prior to polishing	1	63642531808
<b>38mm HANDY ROLLS</b>			
40	Aggressive cutting action	1	63642531828
50	Aggressive cutting action	1	63642531826
60	Powerful sanding action	1	63642531824
80	Powerful sanding action	1	63642531821
100	Removing surface imperfections	1	63642531817
120	Removing surface imperfections	1	63642531812
150	Creating a key prior to polishing	1	63642531809



# LONG NECK GRINDER

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For hard to reach areas such as 90 degree corners, inside bends and fillet welds; a Long Neck machine is the only tool for the job for removing welds, right through to getting a perfect finish.

**NORTON**

SAINT-GOBAIN<sup>®</sup>

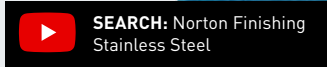




**PERFORMANCE**

**VORTEX RAPID BLEND U2305**

- High performance engineered grain for long life
- Fewer steps to a final finish quality, can also remove & blend small TIG welds
- Conformable structure for a homogenous finish



STAINLESS STEEL ✓✓

SIZE (mm)	GRADE	RECOMMENDED FOR	RPM	PK QTY	ITEM No.
150 x 6 x 25	5AM	Weld removal	7500	8	66254414167
150 x 6 x 25	3AM	Weld removal	7500	8	66254407225

**ECONOMY**

**BEARTEX HIGH STRENGTH F2303**

- High strength nylon for longer life in contoured applications where flexibility is required
- Open structure to prevent loading



STAINLESS STEEL ✓✓

SIZE (mm)	GRADE	RECOMMENDED FOR	PK QTY	ITEM No.
150 x 10 x 25	Medium	Corner cleaning & removing weld burn	10	77696087534

**ECONOMY**

**RAPID BLEND NEX U4401**

- Imparts a high quality, shiny surface finish when used after Vortex Rapid Blend
- Fine silicon carbide and flexible density construction for smooth blending/finishing.



STAINLESS STEEL ✓✓

SIZE (mm)	GRADE	RECOMMENDED FOR	RPM	PK QTY	ITEM No.
150 x 6 x 25	NEX-2SF	Blending and refining	7500	8	66261017050
150 x 6 x 25	NEX-3SF	Blending and refining	7500	8	66254489421



# SATINEX MACHINES

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Satinex machines are a valuable tool for linear finishing and joint mitering, our range of interleaved wheels and pump sleeves will give you everything you need to achieve a high quality finish.

**NORTON**

SAINT-GOBAIN®



## PERFORMANCE

### BEARTEX FLAP WHEELS

- Excellent for blending welded seams after weld removal and easy surface scratch removal
- Rework thermal damage and removal of surface imperfections
- Grades can be used sequentially to deliver the desired surface finish

#### STAINLESS STEEL

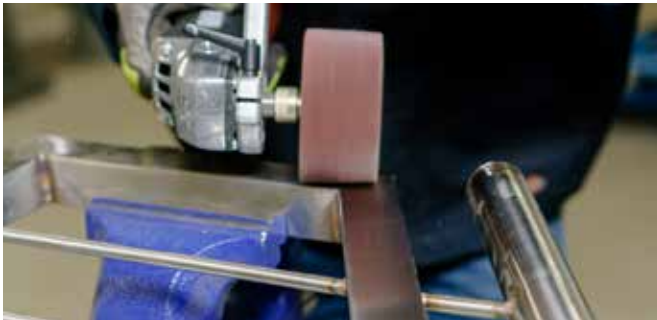


SIZE (mm)	SPEC	RECOMMENDED FOR	GRADE	CAP CODE	ITEM No.
100 x 50 x 19	Interleaved 1:1	For surface defect/ scratch removal and imparting a rough liner finish	A Coarse P60	F2200	66261180082
100 x 50 x 19	BearTex plain	For refining to give a smooth linear finish	A Coarse	F2200	69957336455
100 x 50 x 19	BearTex plain heavy duty	For general surface finishing where material quality is good	A Medium	F2316	66261124067
100 x 50 x 19	Pure BearTex	For ultimate refining to impart a 'number 4' finish	A Fine	F2504	66261072274
100 x 100 x 19	Interleaved 1:1	For surface defect/ scratch removal and imparting a rough liner finish	A Coarse P80	F2200	63644557407
100 x 100 x 19	Pure BearTex	For ultimate refining to impart a 'number 4' finish	A Coarse	F2200	63642557218
100 x 100 x 19	BearTex plain heavy duty	For general surface finishing where material quality is good	A Medium	F2316	63642557404
100 x 100 x 19	Pure BearTex	For ultimate refining to impart a 'number 4' finish	Very fine	F2504	63642557406
50mm x 2M	Stainless steel tape	-	-	-	69957311590



## LINEAR FINISHING PROCESS: FLAP WHEELS

### STEP 1 BLENDING



Use a coarse grade interleaved Satinex wheel to blend away any rotary scratches from previous operations

### STEP 2 REFINING



Use a medium grade Satinex wheel to refine the finish if required

### STEP 3 MITRING



Use metal tape for masking and protecting the surface when joint mitring

## PERFORMANCE

### BEARTEX PUMP SLEEVES

- Excellent for blending weld seams after weld removal and easily removes surface scratches
- Rework thermal damage and remove surface imperfections without causing further damage
- Finer grades can be used in sequence to deliver the required level of surface finish

STAINLESS STEEL



SIZE (mm)	SPEC	RECOMMENDED FOR	TYPE	GRADE	CAP CODE	ITEM No.
100 x 289	Cloth / Ceramic	To remove any surface defects, pinholes or scratches.	R929	P60	R929	66254494716
100 x 289	XF CRS ( low stretch extra flex)	To blend scratches from the cloth belts	XF	Coarse	S2238	69957313015
100 x 289	XF V FINE ( low stretch extra flex)	To provide a bright 'number 4' finish after the steps above	XF	Very fine	S2238	69957313016
90 x 395	Cloth / Ceramic	To remove any surface defects, pinholes or scratches.	R929	P60	R929	66261111556
90 x 395	XF CRS ( low stretch extra flex)	To blend scratches from the cloth belts	XF	Coarse	S2238	69957313014
90 x 395	XF MED ( low stretch extra flex)	To impart a Matt finish after the CRS XF	XF	Medium	S2238	63642574218
90 x 395	XF V FINE ( low stretch extra flex)	To provide a bright 'number 4' finish after the steps above	XF	Very fine	S2238	69957308822
100 x 289	Inflatable contact wheels	-	Rubber	Soft	-	63642574077



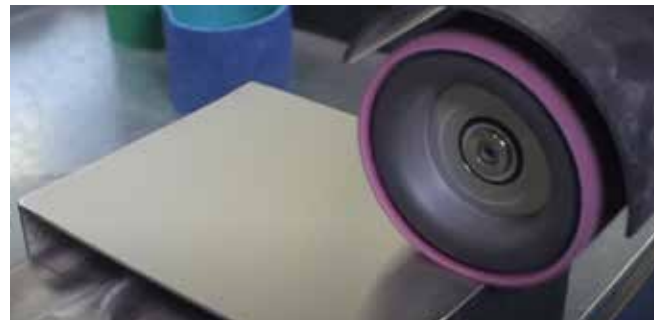
## LINEAR FINISHING PROCESS: PUMP SLEEVE

### STEP 1 BLENDING



First, use a coated abrasive belt to remove defects and circular scratches from previous operations

### STEP 2 REFINING



Use a medium grade sleeve to refine your blended finish

### STEP 3 POLISHING



Use a very fine grade sleeve if a more polished finish is required