

NORTON

SAINT-GOBAIN

Transforming
surfaces
...and beyond

ABRASIVE SOLUTIONS FOR THE WELDING INDUSTRY

INTRODUCTION

This guide is designed to introduce welders to the Norton range of abrasive solutions.

The first section presents a variety of abrasive sequences, from removing the weld bead through to achieving the final finish on the metal part — generally completed in two key steps. The second section provides a non-exhaustive overview of Norton's product range, complemented by a selection of our most innovative and distinctive solutions. You will also find practical "Tips" as well as accessories such as backing pads, mandrels, dressers, and more.

For more detailed information or to explore the full portfolio of products, please refer to the Norton Industrial Distribution General Catalogue.

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LOCAL PRODUCTION

FROM WELD BEAD TO FINISH WITH A FLAP DISC

The classic solution

STEP 1 FLATTENING

QUANTUM F996 FIBRE DISC

- Excellent ceramic grain for heavy-duty operations
- Ideal for use on a powerful machine >1400 W

Ø125 mm	Grit 60	66623327503	Pack of 25
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Consider using **the ventilated plate with M14 attachment**

Ø125 mm	Rigid	69957382823	Unit
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Watch the video



STEP 2 SURFACE PREPARATION

NORLINE R928 FLAP DISC

- Excellent ceramic grit ideal for medium pressure

Ø125 mm	Grit 120	66261139823	Pack of 10
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Watch the video



STEP 3 FINISH

RAPID BLEND DISC

- Compressed wheel for pre-finishing flat surfaces

Ø125 mm	Grade 2SF	66254496320	10 units
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Watch the video



Start with a Norton Quantum fibre disc, 60 grit, as 36 grit causes deep scratches and requires additional steps to remove them. The 120 grit flap disc will remove scratches from a 60 grit disc. Finish with a Rapid Blend disc. Scratches will still be slightly visible (decorative finish).

FROM WELD BEAD TO FINISH WITH A RAPID PREP NON-WOVEN DISC

Guaranteed consistent results in just two steps



Watch
the video

STEP 1 SURFACE GRINDING AND PREPARATION

RAZORSTAR® FIBRE DISC

- The "TOP" of the Norton range
- Cool cutting to prevent thermal damage to the workpiece
- Ideal at low pressure if you want to finish your workpiece in just two steps

Ø125 mm	Grit 36+	66254434181	Pack of 25
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Consider the **RazorStar® grooved disc**

Ø125 mm	M14 attachment	66254442902
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Watch the
video

STEP 2 FINISH

RAPID PREP DISCS

- Pre-finishing and paint-ready finishing discs
- If you opt for a thorough finish (in 3 steps), first use the coarse-grain Rapid Prep disc, then the medium-grain Rapid Prep disc

Ø125 mm	detachable bore	Very coarse grain	66623378982	Pack of 25
Ø125 mm	Detachable bore	Large grains	66623378985	Pack of 25
Ø125 mm	Detachable bore	Medium grit	66623378988	Pack of 25

Consider the **M14 attachment centring plate**

Ø125 mm	Medium density	77696076941
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The finish of a RazorStar® 36+ disc is similar to that of a P60 ceramic disc. Step 2 will allow you to improve the surface finish if necessary: the Beartex Rapid Prep "Coarse" disc will give a finish similar to a 150-grit fibre disc, while the "Medium" disc will give a finish similar to a 220-grit disc. Step 2 may be sufficient for a paint-ready finish. However, to achieve a finer, glossier surface finish, we recommend the Rapid Blend 2SF grey disc (step 3).

FROM WELDING TO FINISHING ON **STAINLESS STEEL**

Do everything with just one disc on a curved surface!

SINGLE STEP

SURFACE LEVELLING AND PREPARATION

TIG & FINISH DUAL-FLAP DISC (2-IN-1)

- This bi-lamellar disc allows you to perform two operations in one on stainless steel
- Perfect for fine, clean TIG welding
- Use a grinder with a speed controller to work at a speed of 3000 rpm (19 m/s)
- Ideal for curved surfaces

Ø125 mm	Grit 80 + medium	66254451106	Pack of 10
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DISQUE 2 EN 1



Watch the
video

Do everything with just one disc on a flat surface!

SINGLE STEP

SURFACE LEVELLING AND PREPARATION

VORTEX RAPID BLEND DISC

- The Vortex Rapid Blend disc allows you to perform two operations in one on stainless steel
- Cutting capacity of an 80-grit fibre disc and finishing capacity of a Rapid Blend disc (NEX 2SF grey)
- Leaves a very good pre-finish

Ø125 mm	Vortex 5AM	66254496323	PU 10
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DISQUE 2 EN 1



Watch the
video



Using steel masking tape will allow you to achieve a beautiful brushed finish on the corners.

69957311590 - 50 mm x 2 m tape

FROM WELD BEAD TO FINISH WITH A MINI ANGLE GRINDER

Use quick-change discs



Watch the video

STEP 1 SURFACE PREPARATION AND LEVELLING

RAZORSTAR® FIBRE DISC

- The best product for mini grinders
- Cold cutting to prevent thermal damage to the workpiece
- Use at low pressure

Ø50 mm	Grit 36+	TR fastener	66254459347	PU 50
Ø75 mm	Grit 36+	TR fastener	e 66254459349	Pack of 50

Consider using a **rubber plate on a rod**



STEP 2 FINISH

SPEEDLOK NON-WOVEN DISC VORTEX RAPID BLEND

- Closed structure. Rapid material removal
- Consistent performance throughout the disc's lifetime

Ø50 mm	Grade 5AM	TR fastener	66254413660	PU 60
Ø75 mm	Grade 5AM	TR fastener	66254413661	Pack of 40

Consider the **rubber plate on rod**



RUBBER BACK-UP PADS FOR MINI ANGLE GRINDERS

To avoid digging into the workpiece, choose a backing pad that is smaller than the diameter of the disc (for example, use a 38 mm backing pad for a 50 mm disc).



Average

Hard

Choose a hard backing pad for greater aggressiveness

Ø38 mm	6 mm shank	Medium density	63642556629	Unit 1
Ø50 mm	6 mm rod	Hard density	63642586931	Unit 1
Ø75 mm	6 mm rod	Hard density	66254401460	U.E 1

TR FASTENING (Type 3 – SL3)

Screw-on system with male
nylon threaded knob.



The finish of a RazorStar® 36+ disc is similar to that of a P60 ceramic disc. Step 2 will allow you to improve the surface finish if necessary.
The Vortex Rapid Blend non-woven disc will give a more finished look.

FROM WELDING TO FINISHING WITH A BELT SANDER

Use Norton sanding belts



Watch the
video

STEP 1 & 2

SURFACE GRINDING AND PREPARATION

SG R929 BELT

- Ceramic grain.
- Versatile belt for excellent material removal rate
- Highly flexible canvas backing

13 x 457 mm	Grit 60	66261123523	Pack of 10
13 x 457 mm	120 grit	66261123525	Pack of 10



STEP 3

FINISH

BEARTEX RAPID PREP S2303 BELT

- Grit Aluminium oxide XF backing (flexible)
- Aggressive cutting and improved finish thanks to its open structure
- Anti-clogging properties
- Perfect finish without damaging the parts

13 x 457 mm	Grain 2338 medium	63642536113	Pack of 20
13 x 457 mm	Fine grain 2438	63642536141	Pack of 20



PNEUMATIC BELT GRINDER KIT FOR MINI ANGLE GRINDER

Belt machine + Carrying case
+ Abrasive belts

78072707299

Unit 1

The kit contains:

- 1 pneumatic belt sander
- 1 Norton tool bag
- 20 ceramic belts 10x330mm P60
- 20 ceramic belts 10x330mm P80
- 10 Beartex Rapid Prep strips 10x330mm coarse grain
- 10 Beartex Rapid Prep strips 10x330mm medium grain
- 10 Beartex Rapid Prep strips 10x330mm very fine grain



Start with 60-grit sandpaper, as 40-grit sandpaper causes deep scratches and requires additional steps to remove them. 120-grit sandpaper will remove the scratches made by the 60-grit sandpaper. Finishing with Beartex Rapid Prep sandpaper will ensure a very smooth and consistent result.

FROM WELD BEAD TO POLISHING WITH A BACKSTAND MACHINE

Use Norton belts

STEP 1 GRINDING AND SURFACE PREPARATION

RAZORSTAR® LONG BELT

- Extremely high cutting rate
- Extremely long belt life
- Cold cutting to prevent thermal damage to the workpiece

75 x 2000 mm	Grit 36+	66254427271	PU 10
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Watch the video



STEP 2 SURFACE PREPARATION

BEARTEX RAPID PREP S2328 BELT

- Grit Aluminium oxide XF backing (flexible)
- Aggressive cutting and improved finish thanks to its open structure
- Anti-clogging properties
- Perfect finish without damaging the parts

75 x 2000 mm	Medium grain	63642531741	Pack of 5
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The finish of a RazorStar® 36+ belt is similar to that of a P60 ceramic belt. Step 2 will allow you to improve the surface finish if necessary.
To achieve a glossy finish, use Rapid Prep SiC Fin non-woven belt.

FROM WELD BEAD TO FINISH ON A GRINDING WHEEL

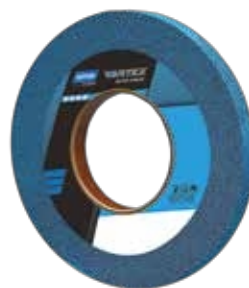
Use Norton Convolute wheels

STEP 1 FLATTENING

VORTEX RAPID FINISH 7AM CONVOLUTE WHEEL

- Compressed wheel for pre-finishing flat surfaces

Recommended grade: Vortex 7AM - C2312 Ref: consult Norton



STEP 2 SURFACE PREPARATION

RAPID FINISH CONVOLUTE WHEEL 1000 SERIES LONG LIFE

- This wheel has low cutting power It will give you an excellent surface finish
- Ideal wheel for light deburring and surface preparation prior to treatment (painting, metallisation, chrome plating)

Ø150 x 25 x 25 mm	D19	SiC	Fine grade	07660705227	PU 3
Ø200 x 25 x 76 mm	D19	SiC	Fine grade	66261018641	U.E. 3



STEP 3 FINISH

RAPID FINISH CONVOLUTE WHEEL LIGHT FINISH

- This wheel has low cutting power It will give you an excellent surface finish

Ø150 x 25 x 25 mm	D16	SiC	Fine grade	e 66254403708	U.E. 3
Ø200 x 25 x 76 mm	D16	SiC	Fine grade	66261095702	U.E. 3



For a mirror finish, we offer cotton polishing wheels to be used with polishing blocks for different finishes, depending on the materials being worked on. Consult your Norton sales representative.

NORTON'S CUTTING OFFER

Choice of CUTTING wheels for angle grinders and straight grinders

Highly recommended ✓✓
Recommended ✓
Suitable for stainless steel ○
Not suitable for stainless steel ✓✓



MATERIALS	NORTON QUANTUM3	SUPER BLEUE 5	NORZON QUICK CUT	NEW BDX	STARLINE	CAST IRON AND STONE	SECU-MAX	NORTON MULTI-MATERIALS	ALU MINI UM
	INNOVATION	+++++	+++	++++	+++				
Steel, structural steel	✓	✓✓	✓	✓	○		○	✓	
Low-alloy steel, thin sheets	✓✓	✓✓	✓	✓	○		○	✓	
High-alloy steel, stainless steel	✓✓	✓✓	✓✓				○		
Cast iron	✓✓	○	✓			✓✓			
Non-ferrous						✓✓		✓✓	✓✓
Titanium, stone, concrete						✓✓		✓✓	



NORTON QUANTUM3

BITE INTO METAL!

- Improved productivity
- Reduction in abrasive costs
- Very high material removal rate
- Greater comfort for the operator

Ø 125 mm	1.3 x 22.23 mm	Flat	NQ 60 ZZ	66253371351	Pack of 25
Ø 125 mm	1.6 x 22.23 mm	Flat	NQ 46 ZZ	66253371352	Pack of 25
Ø 230 mm	1.9 x 22.23 mm	Flat	NQ 46 ZZ	66253371355	PU 25



Watch the video



SUPER BLEUE 5

- High-performance aluminium oxide grain for fast and effective material removal
- Very good service life
- Consistent and stable performance from start to finish, ideal for demanding industrial applications

Ø 125 mm	1.0 x 22.23 mm	Flat	ZA 60 Z	66252833167	Pack of 25
Ø 125 mm	1.6 x 22.23 mm	Flat	ZA 46 Z	66252833168	Pack of 25
Ø 230 mm	1.9 x 22.23 mm	Flat	A 60 Q	66252833195	PU 25



Watch the video



BDX

- New 2025 formulation of BDX cutting discs in 1.0 and 1.6 mm thicknesses, for improved service life and cutting power
- For cutting thin parts, choose the 0.8 mm thick BDX grinding wheel

Ø 125 mm	0.8 x 22.23 mm	Offset hub	A 60 Z	66252848812	Pack of 25
Ø 125 mm	1.0 x 22.23 mm	Flat	A 46 Z	66252831541	Pack of 25
Ø 125 mm	1.6 x 22.23 mm	Flat	A 46 Z	66252831460	PU 25

The 1.0 mm thick disc has everything going for it: fast, clean cutting, low vibration, ideal for cordless grinders.



THE NORTON DEBURRING RANGE

Choice of DEBURRING wheel for angle grinders

Highly recommended ✓✓
 Recommended ✓
 Suitable for stainless steel ○
 ✓✓



MATERIALS	NORTON QUANTUM3	SUPER BLEU 5	NORZON QUICK CUT	BDX	STARLINE	CAST IRON AND STONE	SECU-MAX	NORTON ALU
	INNOVATION	+++++	++++	++++	+++			
Steel, structural steel	✓	✓✓	✓	✓	○		○	
Low-alloy steel	✓✓	✓✓	✓	✓	○		○	
High-alloy steel	✓✓	✓✓	✓✓	✓	○			
Stainless steel, Inox	✓✓	✓✓	✓	✓	○			
Cast iron	✓✓		✓			✓✓		
Non-ferrous						✓✓		✓✓
Titanium						✓✓		
Stone, concrete						✓✓		



NORTON QUANTUM3

THE BEST

- Self-sharpening ceramic grain, designed for high material removal and reduced operating time
- Reduced operator fatigue thanks to lower vibration levels
- Extremely long service life, less downtime, less waste and lower disc consumption
- Offers real gains in the deburring process

Ø 125 mm	7.0 x 22.23 mm	NQ 24 P	66253371362	U.E. 10
Ø 230 mm	7.0 x 22.23 mm	NQ 24 P	66253371365	PU 10

The NQ24N grinding wheel is softer for stainless steel and exotic alloys.

Ø 125 mm	7.0 x 22.23 mm	NQ 24 N	66252839321	PU 10
Ø 230 mm	7.0 x 22.23 mm	NQ 24 N	66252839322	PU 10

INNOVATION



Watch the video



SUPER BLUE 5

+++++
HIGH PERFORMANCE

- Significant and rapid material removal
- Premium binder system, which gives the product durability

Ø 125 mm	7.0 x 22.23 mm	A 24 S	66252828279	U.E. 10
Ø 230 mm	7.0 x 22.23 mm	A 24 S	66252833206	PU 25



NORTON ALU

THE GRINDING WHEEL FOR ALUMINIUM

- Prevents wheel glazing, for fast, easy and comfortable work on all non-ferrous materials

Ø 125 mm	7.0 x 22.23 mm	A 36 Q	66252828228	PU 10
Ø 230 mm	7.0 x 22.23 mm	A 36 Q	66252828232	PU 10



THE NORTON
ADVANTAGE

NORTON FIBRE DISC RANGE

Choosing a FIBRE disc for angle grinders

Highly recommended ✓✓

Recommended ✓



MATERIALS	NEW NORTON RAZORSTAR	NORTON QUANTUM F996	BLAZE X F970X	NORZON F827	METAL F100
	+++++	+++++	+++++	++++	+++
Stainless steel	✓✓	✓✓	✓	✓	
Titanium, Inconel and super alloys	✓✓	✓✓	✓	✓	
Steel, structural steel and mild steel	✓✓	✓✓	✓✓	✓✓	✓
Cast iron	✓✓	✓	✓	✓✓	✓
Non-ferrous metals (brass/aluminium)	✓			✓	✓
Hardwoods				✓✓	✓
Softwoods					✓
Composites					✓
Stone, concrete					✓
Glass, plastic					✓



NORTON RAZORSTAR®

INNOVATION



- Extremely high cutting rate: grains as sharp as razor blades
- Longer service life: the grain remains sharp
- Cold cutting, preventing thermal damage to the workpiece

Ø 125 mm	Grit 36+	66254434181	PU 25
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Watch the video

Consider the **yellow ventilated plate with M14 attachment**:

Ø 125 mm	Rigid	66254442902	U.E. 1
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NORTON QUANTUM

+++++
HIGH PERFORMANCE

- Ideal for low-temperature deburring on stainless steel and heat-resistant steels
- Very high material removal and service life
- For heavy-duty applications
- Produces an excellent surface finish

Ø 125 mm	Grit 36	66623327501	Pack of 25
Ø 125 mm	Grit 50	66623327502	Pack of 25
Ø 125 mm	Grit 60	66623327503	Pack of 25
Ø 125 mm	Grit 80	66623327504	Pack of 25
Ø 125 mm	Grit 120	66623327505	Pack of 25



Watch the video

NORTON FLAP DISC RANGE

flap disc selection for angle grinders

Highly recommended ✓✓

Recommended ✓



MATERIALS

	NORTON QUANTUM R996	SUPER BLUE DUO RX22 / R822	X-TREME PRO R928	SUPER BLUE 5	NORTON EASYTRIM	BDX R842	STARLINE	NORTON ALU
	+++++	+++++	+++++	+++++	++++	++++	+++	
Stainless steel, duplex steel	✓✓	✓✓	✓	✓				
Inconel, titanium and super alloys	✓✓	✓✓	✓	✓	✓	✓		
Carbon, structural steels and mild steel	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓	
Cast iron			✓	✓✓	✓✓	✓✓	✓	
Non-ferrous metals (brass, aluminium)							✓	✓✓
Hardwoods or softwoods							✓	



EXTREME PRO R928

THE CERAMIC RANGE

- The anti-heating treatment accelerates cutting power and reduces heat generation. This improves the quality of the work, with no burn marks on the piece.
- Efficiency: high material removal rate, fast, with a long service life.

Ø 125 mm	Convex	Grit 40	78072723652	Pack of 10
Ø 125 mm	Convex	Grit 60	78072723653	Pack of 10
Ø 125 mm	Convex	Grit 80	78072723654	Pack of 10

+++++
HIGH PERFORMANCESTAINLESS
STEELWatch the
video

SUPER BLUE 5

THE EFFECTIVENESS OF ZIRCONIUM

- Polyester-cotton cloth flaps and ceramic grains. Much more powerful disc than its competitors
- Designed for medium pressure work
- The anti-heating treatment accelerates cutting power and reduces heat generation. This results in better quality work, with no burn marks on the workpiece

Ø 125 mm	Convex	Grain 40	78072728806	Pack of 10
Ø 125 mm	Convex	Grit 60	78072728784	Pack of 10
Ø 125 mm	Convex	Grit 80	78072728807	Pack of 10
Ø 125 mm	Convex	120 grit	78072728808	Pack of 10

+++++
TECHNICALSTAINLESS
STEELVideo
tutorial

For stainless steel and pipes, try our new TIG&Finish bi-lamellar disc (2-in-1)

- A quick and versatile solution for excellent finishing results.
- This disc offers a cushioning effect, adapting to complex contours and shapes (tubes, etc.).
- We recommend working at a speed of 3000 rpm.

NORTON NON-WOVEN DISCS

Choice of NON-WOVEN discs for angle grinders



Watch the video

Highly recommended ✓✓
Recommended ✓

MATERIALS	RAPID STRIP	VORTEX RAPID BLEND	VORTEX RAPID PREP	RAPID PREP	RAPID BLEND NEX	RAPID POLISH
	+++++	++++	++++	+++	+++	+++
Calamine	✓✓					
Material removal	✓✓	✓				
Heavy deburring	✓	✓✓				
Light deburring		✓✓	✓			
Light finishing			✓✓	✓	✓✓	
Sanding			✓✓	✓	✓	
Finishing			✓	✓✓	✓✓	✓✓

← MOST AGGRESSIVE
LEAST FLEXIBLELEAST AGGRESSIVE
MOST FLEXIBLE →

BLAZE RAPID STRIP

+++++
HIGH PERFORMANCE

STRIPPING AND DEOXIDISATION

- The ideal tool for removing rust and residues, traces of corrosion, light welding spatter, dirt, traces of scale and other contaminants.
- Provides a perfectly clean surface, ensuring excellent adhesion for applications such as coating, painting and soldering
- At high pressure, the disc can be used to strip or remove coatings; at low pressure, the disc can be used for surface preparation



Watch the video

Flat	Ø 115 mm	66623303783	PU 10	Ø 125 mm	66254496323	PU 10
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VORTEX RAPID BLEND

++++
TECHNICAL

REMOVAL + EVENING OUT + FINISHING

- Ideal for removing weld beads and light weld spatter and for heavy-duty deburring and finishing operations
- 2 actions in 1: cutting capacity of an 80-grit fibre disc and finishing capacity of a Rapid Blend disc (NEX 2SF)



Watch the video

Flat	VORTEX 5AM	Ø 115 mm	66254429268	PU 10	Ø 125 mm	66254496323	PU 10
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RAPID BLEND

+++
STANDARD

POLISHING

- Fine silicon carbide grain and flexible density Unitised structure for surface preparation and controlled finishing applications
- Ideal for fine to ultra-fine decorative satin finishing



Watch the video

Flat	NEX 2SF	Ø 115 mm	66261020546	Pack of 10	Ø 125 mm	66254496320	PU 10
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Beartex discs must be used on a grinder with a variable speed control. If your grinder does not have this feature, use a 115 mm diameter disc on your 125 mm grinder. This will artificially lower the cutting speed.

NORTON QUICK-CHANGE DISCS

Choose a SPEEDLOK disc for mini angle grinders



Watch the video

Highly recommended ✓✓
Recommended ✓



NEW NORTON
RAZORSTAR®



BLAZE
R980P



RED HEAT
R983



NORZON
R884P



METAL
ARX/ARX19

MATERIALS

	INNOVATION	+++++	+++++	+++++	+++++
Stainless steel	✓✓	✓✓	✓✓		
Titanium, Inconel and super alloys	✓✓	✓✓	✓✓		
Steel, structural steel and mild steel	✓✓	✓✓	✓✓	✓✓	✓
Cast iron	✓	✓✓		✓✓	✓
Non-ferrous metals (brass/aluminium)	✓✓			✓✓	
Hardwoods				✓✓	✓
Composites, glass, plastic					✓
Stone, concrete					✓

Highly recommended ✓✓
Recommended ✓



MATERIALS

	+++++	+++++	+++++	+++++	+++++
Calamine	✓✓				
Material removal	✓✓	✓			
Heavy deburring	✓	✓✓			
Light deburring		✓✓	✓		
Light finishing			✓✓	✓	✓✓
Sanding			✓✓	✓	✓
Finishing			✓	✓✓	✓✓

← MOST AGGRESSIVE
LEAST FLEXIBLE

→ LEAST AGGRESSIVE
MOST FLEXIBLE



PROFESSIONAL MINI GRINDER KIT

WITH ANGLE DRIVE NORTON FOR 50 mm DISCS 22,000 rpm min max

- Complete kit including the Speed-Lok disc range and a mini angle grinder
- As well as samples of the most commonly used Speed-Lok abrasive discs: from cleaning to surface preparation, deburring and sanding
- Ref. 69957300300



TR FASTENING
(Type 3 - SL3)
Screw-on system with male nylon threaded knob



To avoid digging into the workpiece.
Select a plate smaller than the diameter of the disc

NORTON'S RANGE OF BELTS

Choice of BELTS for pneumatic machines and electric files

Highly recommended ✓✓
Recommended ✓
Suitable ○



MATERIALS	NEW NORTON RAZORSTAR®	VIKING R996	SG R929	NORAX*	H231*	NORZON R822	BLUE FORCE R817	NORZON R895	W445	R445	R293
	INNOVATION	+++++	+++++	+++++	+++++	++++	++++	++++	++++	+++	+++
Stainless steel, stainless and duplex	✓✓	✓✓	○	✓✓							
Inconel, titanium and super alloys	✓✓	✓✓	○	✓✓							
Steel, structural steel and mild steel	✓✓		✓✓			✓	✓	✓		○	○
Cast iron	✓		✓✓			✓	✓	✓		○	○
Non-ferrous metals (brass/aluminium)	✓		✓✓			✓	✓	✓		○	○
Hardwoods & softwoods			✓✓		✓✓		✓✓				
Stone, concrete										✓✓	○
Glass, plastic							✓✓		✓✓	○	

*products available to order only.



NORTON RAZORSTAR®

UNMATCHED SHARPNESS

- Extremely high cutting rate: grains as sharp as razor blades
- Longer service life: the grain remains sharp
- Cold cutting, preventing thermal damage to the workpiece



Watch the video



R929

THE ECONOMICAL OPTION, THE PERFORMANCE OF CERAMICS

- High-quality SG abrasive (ceramic). Solution suitable for heat-sensitive metals
- Cuts at low temperatures, leaving no burn marks on the metal
- Extremely durable X-weight polyester backing



RAPID PREP A/O XF NON-WOVENS

Removal of:

- Surface defects and small burrs
- Connection lines, deburring
- Rust, oxides and corrosion
- Paint and scale
- Sanding mill marks
- Tool marks
- Irregular edges
- Application of decorative finishes

THE NORTON
ADVANTAGE



ON-DEMAND CONVERSION SERVICE



- Do you have a deadline for receiving non-standard strips?
- Do your customers only need a minimum batch?
- Do they want quick service?

We offer our X-Press by Conflans service

"**SERVICE**" because it is a service we offer you.

"**X-PRESS**", because we want to guarantee a fast service with short turnaround times*

"**X-PRESS**", because we designed it "expressly" for you and your customers,

"**BY CONFLANS**", because this service is Made in France, it is a local service



SELECTION GUIDE:

Highly recommended ✓✓
Recommended ✓
Appropriate ○



MATERIALS	VIKING R99t	SG R929	NORAX*	BLUEFORCE R81	NORZON R822	R293	R230
Stainless steel, stainless and duplex	+++++	+++++	+++++	+++++	+++++	+++	+++
Inconel, titanium and super alloys	✓✓	○	✓✓				
Steel, structural steel and mild steel		✓✓		✓	✓	○	○
Cast iron		✓✓		✓	✓	○	○
Non-ferrous metals (brass/aluminium)		✓✓		✓	✓	○	○
Hardwoods & softwoods		✓✓		✓✓			
Stone, concrete						○	○
Glass, plastic				✓✓			

FEASIBILITY OF THE X-PRESS BY CONFLANS SERVICE:

PRODUCT CODE	GRAIN / GRANULOMETRY	24,	36,	40,	50,	60,	80,	100	120	180	220	240	320	400	800
Viking R996	Céramique supersize, polyester YY/Y	•••	•			•									
SG R929	Céramique, polyester X	•••	•					•							
NoraxA	special multi-layer abrasive							X100	X80		X65	X45	X30	X22	
Blue Force R817	Norzon, polyester Y, structure ouverte	••		•			•	•							
Norzon R822	NorZon, coton X	•	•	•				•							
R293	Mélange oxyde d'aluminium, polyester X/Y		•		•			•		•					
R220	Aluminium oxide, coton X		•					•							

This list of tapes is subject to change. Price on request. Please contact your Norton sales representative for further information.

*Delivery guaranteed in less than two weeks.

NUMBER OF BELTS WITH THE X-PRESS BY CONFLANS SERVICE:

Width (mm)	Min	Max
Up to 38 mm	50 pieces	200 pieces
40 to 149 mm	10 pieces	50 or 100 pieces
150 to 300 mm	6 pieces	30 pieces

This conversion service covers strips with a width of 6 to 300 mm and a length of 400 to 4000 mm.

NORTON'S RANGE OF GRINDING TOOLS

Norton mini straight grinder



MINI GRINDER

The new Norton pneumatic straight grinder allows you to quickly and comfortably perform a variety of applications depending on the tool fitted: Abrasive specialties (spiral bands and cones, spiral points and pencils, sanding stars, etc.), vitrified grinding wheels on shafts, carbide burrs, mini flap wheels, etc.

6 mm chuck, max: 25,000 RPM.

- 69957341008 Norton pneumatic straight grinder
- 69957366029 Norton pneumatic straight grinder kit and a selection of abrasives



Watch the video

VITRIFIED bonded grinding wheels for straight grinders or grinding machines (internal)



VITRIFIED GRINDING WHEELS ON SHANK NORTON QUANTUM (5NQ)

Revolutionary ceramic grain shape and chemistry combined with new bonding technology

- Sharp grain for optimum cutting action and self-sharpening action to reduce wear
- Faster operations on heat-sensitive alloys (Fe and Ni based) and hardened metals

Norton Quantum 5NQ vitrified grinding wheels are available in 80 shapes and 200 different sizes.



Watch the video



86A/40A VITRIFIED GRINDING WHEELS

High-purity pink aluminium oxide

- Crumbly grain for good cutting power
- Better geometric stability
- Versatile, can be used on a wide range of steels
- Reduced dressing frequency



STANDARD



38A VITRIFIED GRINDING WHEELS

- Extremely friable aluminium oxide grain for easy cutting at low temperatures
- Good value for money for everyday or minor applications
- Compatible with most alloy steels
- Good cutting power to prevent burning



STANDARD

Organic bonded grinding wheels



ORGANIC-BONDED GRINDING WHEEL ON SHANK NZ

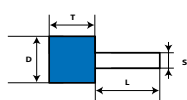
Zirconium oxide (Norzon)

- 4 times more material removal than aluminium oxide products for heavy-duty applications
- Stable under high pressure

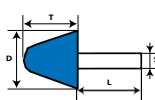


TECHNICAL

- Use an "A" shape for heavy to medium-heavy grinding.
- Use a "B" shape for deburring or finishing.
- Use a "W" shape for heavy material removal.



W shapes
Cylindrical profile



A shapes
Specific profiles on Ø 6 mm rod
Shapes B
Specific profiles on Ø 3 mm shank

NORTON'S RANGE OF CARBIDE MILLING CUTTERS

Choice of CARBIDE MILLING CUTTERS for portable or CNC machines

Highly recommended ✓✓
Recommended ✓
Suitable ○

✓
○



	+++++	+++++	+++++	+++++	+++++
Stainless steel	✓✓	✓✓	✓		
Cast iron	✓✓	✓✓	✓		
Nickel and cobalt alloys	✓✓	✓✓	✓		
Soft aluminium, aluminium alloys, Brass, copper, very				✓✓	✓✓
Bronze, titanium, titanium alloys, aluminium hard zinc	✓	○	○	✓✓	✓
Plastic, wood				✓✓	✓✓

Very fast material
removal.

TiAlN coating
Double cut

Universal cut

Special ALU coating
TiAlN

Special ALU Standard

Long life

Perfect finish



X-TREM CUT SET

+++++
HIGH PERFORMANCE

FOR STEEL, STAINLESS STEEL, CAST IRON, COPPER, NICKEL, ETC.

Shape	D1 X L1 X D2 X L2 (mm)	Reference	Unit	Art. Box
A	12 x 25 x 6 x 70	78072753479	1	
C	12 x 25 x 6 x 70	78072753481	1	
D	12.7 x 10.8 x 6 x 56	78072756783	1	78072756854
F	12 x 25 x 6 x 70	78072753486	1	
L	12 x 30 x 6 x 75	78072756853	1	



ALUMINIUM BOX

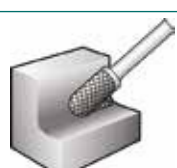
+++++
TECHNICAL

FOR ALUMINIUM AND PLASTIC

Shape	D1 X L1 X D2 X L2 (mm)	Reference	Unit	Art. Box
C	12 x 25 x 6 x 70	07660707846	1	
D	10 x 9 x 6 x 53	63642586824	1	66254428260
F	12 x 25 x 6 x 70	60157638181	1	
L	12 x 30 x 6 x 75	63642587101	1	



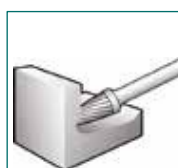
A - Cylindrical



C - Cylindrical
with round tip



D - Spherical



F - Ogive
with rounded tip



H - Flame



L - Conical
round tip



Understanding the dimensions. They are given in the following order:

- D1 = Head diameter
- L1 = Head length
- D2 = Diameter of the shank
- L2 = Total length

NORTON'S RANGE OF FLAP WHEELS

Choice of FLAP WHEEL for straight grinder



Watch the video

Highly recommended ✓✓
Recommended ✓



MATERIALS	NORTON QUANTUM	X-TREME R822	X-TREME S R427	BDX R207
	+++++	+++++	+++++	+++
Stainless steel, Inox and Duplex	✓✓	✓		
Inconel, Titanium and Super Alloys	✓✓	✓		
Carbon steel; steel Construction and mild steel	✓✓	✓✓		✓✓
Cast iron	✓	✓✓		✓✓
Non-ferrous metals (brass/aluminium)			✓✓	✓✓

Available in M14
nut version

NORTON'S RANGE OF WORKSHOP ROLLERS

Selection of WORKSHOP rollers for manual applications

Highly recommended ✓✓
Recommended ✓
Suitable ○

✓
○



MATERIALS	R222	K20N	BEARTEX F2504
	+++++	+++++	+++
General use (metal, wood, etc.)	✓✓	○	✓✓
Light deburring	✓✓	✓	✓
Removal of scale and rust	✓	✓✓	✓✓
Surface preparation and fine sanding	✓	✓	✓
Polishing of turned parts, rollers and cylinders, sanding of machine tool marks	✓	○	○



R222 HANDY ROLL



- Manual applications
- Highly flexible backing
- Wide range of grit sizes (from 40 to 600)
- Excellent solution for deburring, rust removal, metal finishing, etc.

38 mm x 25 m	Grit 80	63642531821
38 mm x 25 m	100 grit	63642531817
38 mm x 25 m	120 grit	63642531812

NORTON'S RANGE OF WIRE BRUSHES

Choosing the right wire brush

	PRODUCT TYPE	MACHINE	APPLICATION
	Circular brush with corrugated wire		Short wire brushes are generally more aggressive
	Circular twisted wire brush		This brush is ideal for removing weld beads and brushing sharp corners
	Conical brush		Specially designed for brushing in hard-to-reach areas such as edges and corners.
	Wavy wire cutting brush		This brush is designed for cleaning work, particularly on large surfaces. Ideal for removing rust, corrosion and paint.
	Twisted wire cutter brush		Aggressive brush delivering excellent results for heavy-duty cleaning and finishing of large surfaces. Highly effective for removing scale, paint, rust and corrosion, as well as for trimming weld beads and spots.
	Brush on rod		Ideal for hard-to-reach surfaces. All brushes mounted on spindles are equipped with a 6 mm shaft
	Hand brush		With wooden or plastic handle. For use on narrow parts. Ideal for light deburring and cleaning profiled surfaces
	Scouring brush		With handle or shaft. For deburring and cleaning tubes

CUTTING BRUSH

TWISTED WIRE

HIGH-PERFORMANCE



- Aggressive brush that delivers excellent results for heavy-duty cleaning and removal of rust, paint, corrosion and welding spatter
- The protective device acts as a shield against debris while maintaining visibility of the workpiece

Ø 65 x M14 T20

For Ø 115 or 125
grinders

Steel wire (0.5 mm)

66261103046

Stainless steel wire (0.5 mm)

66261103171

CONICAL BRUSH

TWISTED WIRE

STANDARD



- For aggressive removal of rust, corrosion, paint and primer layers
- Stiff, durable wires facilitate intensive material removal operations for applications such as preparing joints for filing and chipping

Ø 115 x 15 x M14 T27.5

Forgrinder
Ø 115 or 125

Steel wire (0.5 mm)

66254406147

Stainless steel wire (0.5 mm)

NORTON'S RANGE OF GRINDING WHEELS

Selection of grinding wheels



BDX GRINDING WHEELS



SHARPENING HSS TOOLS

For light material removal and sharpening of high-speed steel and high-speed steel tools.

- Better finish.
- Optimised cutting and low-temperature working on hardened steels or high-speed steels.

Ø 200 x 25 x 32 mm	Grit 46	66253384556
Ø 200 x 25 x 32 mm	Grit 60	66253384558
Ø 200 x 25 x 32 mm	Grit 80	66253384560



BDX GRINDING WHEELS



SHARPENING OF CARBIDE TOOLS

For all applications, on bench grinders or pedestal grinders. For difficult stainless steel, titanium and metal carbide.

- Fast execution and better finish on difficult stainless steel, titanium and metal carbide

Ø 200 x 25 x 32 mm	Grit 46	66253384444
Ø 200 x 25 x 32 mm	Grit 60	66253384446
Ø 200 x 25 x 32 mm	Grit 80	66253384450



BDX GRINDING WHEELS



DEBURRING OF COMMON STEEL

For removing, shaping and deburring standard steel.

- Better cutting for faster work and longer service life

Ø 200 x 25 x 32 mm	Grit 36	66253384421
Ø 200 x 25 x 32 mm	Grit 46	66253384422
Ø 200 x 25 x 32 mm	Grit 60	66253384424



DRESSING

All 32 mm boring wheels are supplied with 32/20 mm reduction rings to adapt the product to different spindle sizes.



It is strongly recommended that the wheel be dressed before first use.

Carat 2.2	D2002 complete (handle + abrasive part)	PU 1	66260138877
Carat 2.2	D2002 abrasive part only	Unit	66260338860



See our tips in pictures for flawless dressing!

LOCAL PRODUCTION

Saint-Gobain Surface Solutions France is proud to have **13 factories in Europe**, making it **the leading producer of abrasives** on our continent.

ECOVADIS

Saint-Gobain Surface Solutions France has received **Gold certification** from Ecovadis for the **the seventh consecutive year**.

We scored 81/100, placing us in the **top 3%** of companies audited by Ecovadis in terms of **Corporate Social Responsibility (CSR)**. In Ecovadis jargon, this is referred to as the "97th percentile".



BASCHARAGE

Bascharage, located in Luxembourg near the French border, is the **manufacturing site** for Norton Clipper and Flexovit **diamond blades**. This site is also home to the after-sales service for Norton Clipper machines.



AMBOISE

Established in 1948, the Amboise industrial site **specialises in the manufacture of cutting discs**, ranging in diameter 115 mm to 230 mm in diameter.



CONFLANS

Saint-Gobain's main European manufacturing unit for **applied abrasives**, the Conflans site combines two activities in one: **the manufacture of jumbos** and their **conversion into abrasives of various shapes**.



MAIA (Porto)

The new Maia factory was inaugurated in 2021. It specialises in the manufacture of **non-woven abrasives** for surface finishing operations.



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INDUSTRY ON OUR WEBSITE

www.nortonabrasives.com/fr-fr




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