

UNBEATABLE GRINDING PERFORMANCE

INTRODUCING

**NEW NORTON RAZORSTAR®
FIBRE DISCS**

FEATURING ENGINEERED
SHAPED CERAMIC GRAIN

SHARPER THAN EVER

NORTON

SAINT-GOBAIN

RAZORSTAR[®]

NEXT GENERATION FIBRE DISCS. GRINDING DOWN YOUR PROCESS COST.

Norton RazorStar[®] F990S 36+ is setting a new standard in grinding productivity, speed and life.

Designed for medium to high pressure metal removal in grinding applications, RazorStar[®] fibre discs feature 100% engineered shaped ceramic grain which cuts through metal with unbeatable performance.

Produce more parts with fewer DISCS and save time and money in your grinding operations.



**INCREASED
EFFICIENCY**



**IMPROVED
PERFORMANCE**



**IMPROVED
QUALITY**



**REDUCED
MACHINE
TIME**



**MORE PARTS
PER DISC**



Higher Cut Rate

A breakthrough innovation of razor-sharp ceramic grain, with a tough microstructure, cuts faster and removes more material. This is combined with the highest percentage of grains applied to the backing in an upright position for razor-sharp cutting.



Longer Life

Unique patented geometry enables the grain to stay sharp as new razor-sharp edges are exposed as the grain fractures. The innovative design of Norton RazorStar[®] promotes improved grain retention, providing unparalleled disc life.



Cooler Cut

The unique sharp design of the grains, combined with the disc's special topline grinding aid, helps to significantly reduce heat generation – resulting in less thermal damage to the workpiece.

**The result:
Unbeatable
grinding
performance
and lower
grinding cost**

**More upright grain for
razor-sharp cutting**

A BREAKTHROUGH IN SHAPED CERAMIC GRAIN

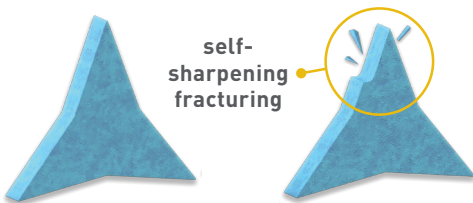
Saint-Gobain's engineered shaped ceramic grain is a breakthrough technology specifically designed to deliver unbeatable grinding performance versus all other conventional ceramic grain fibre discs in the market today.

SHAPED CERAMIC GRAIN HOW DOES IT WORK?

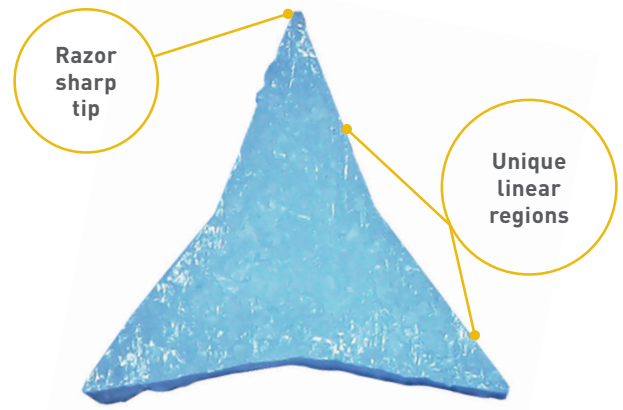
Unlike other shaped grains, those used in RazorStar® fibre discs are formed by two linear regions which join to form razor-sharp tips.

It's these sharp tips that deliver a high initial cut and continue to slice through metal, throughout the entire disc life. Its tough microstructure and unique patented geometry, tuned for Seeded Gel chemistry, enables each grain to fracture into similar sharp shapes during grinding. What's more, this unique geometry ensures grain uniformity and consistency in shape, strength and cutting behaviour.

Razorstar® Grain Remains Sharp Throughout Disc Life



Competitor Grain Fractures to A Blunt Edge



UPRIGHT GRAIN PRIMED TO CUT

Norton RazorStar® fibre discs fully leverage the sharpness of the engineered shaped grain. Grains that lie flat do not cut, so thanks to a new patent-pending method designed to position grains the backing, RazorStar® fibre discs deliver the sharpest grinding possible compared to competitor fibre discs.

What's more, the high number of grains per unit area, topsize coating and heavy weight backing are designed to promote grain retention and self-sharpening fracturing, to maintain powerful grinding performance over prolonged periods in medium to high pressure applications.

NORTON BACK-UP PAD*

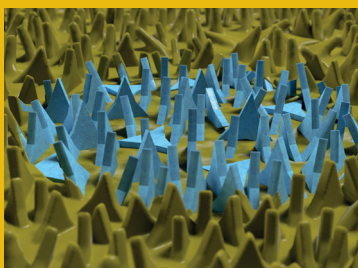
The Norton back-up pad gives the right support for grinding applications. The hard density pad has mild flexibility enhancing the performance of Norton RazorStar® fibre discs even further. Available in 125mm diameter.



* Sold separately.

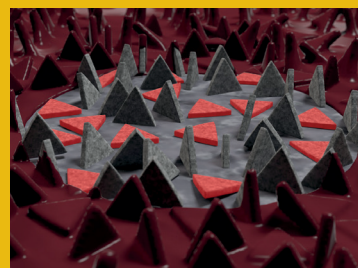
SMOOTHER GRINDING, MORE CONTROL

Thanks to the razor-sharp grains which glide through the metal, grinding is smoother, drawing less power from the machine for better operator control. Less force is also required as the grains do the work, minimising operator fatigue and reducing prolonged exposure to vibration.



Higher % UPRIGHT grains

RazorStar® fibre discs have the highest percentage of grains oriented upright.



Lower % UPRIGHT grains

Competitor fibre discs have a lower percentage of grains oriented upright.



**NORTON RAZORSTAR®
F990S FIBRE DISC**

Grit: **36+**

Backing: **VULCANIZED FIBRE**

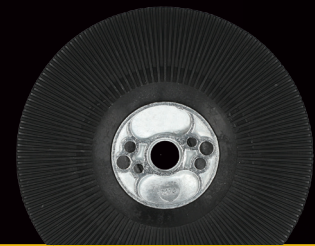
Features: **TOPSIZE COOLING LAYER**

MACHINE: **ELECTRIC OR PNEUMATIC HIGH POWER ANGLE GRINDERS**

Use with a Norton back-up pad for best results.

Size (mm)	Grit	Max. RPM	Box Quantity	Article No.
125x22	36+	12,200	25	66254434181

**NORTON
BACK-UP PAD**



Size (mm)	Max. RPM	Product Colour	Quantity	Article No.
125	12,200	Black	1	66623376821



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WATCH
IT IN
ACTION



GET IN TOUCH

For unbeatable grinding results, contact your local representative and put Norton RazorStar® fibre discs to the test today.