

# Sharper Than Ever

## — FEATURING

## ENGINEERED SHAPED CERAMIC GRAIN

Take your right-angle grinding performance to a new level with Norton RazorStar fiber discs featuring engineered shaped ceramic grain technology for the best cutting performance in the industry. Designed for medium to high pressure metal removal in the toughest grinding applications, Norton RazorStar discs feature 100% ceramic engineered shaped grain which cuts through metal with unbeatable performance. Norton RazorStar F990S is setting a new standard in grinding productivity, speed and life.

### KEY MARKETS

MRO | METAL FABRICATION | WELDING | OIL & GAS | ENERGY | SHIP BUILDING

### KEY APPLICATIONS

WELD REMOVAL | GRINDING | BEVELING | HEAVY DEBURRING

### MATERIALS

CARBON STEEL | STAINLESS STEEL |  
ALUMINUM | HARD-TO-GRIND METALS



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

### HOW IS NORTON RAZORSTAR UNIQUE?

- Norton RazorStar discs with engineered shaped ceramic grain are a breakthrough technology specifically designed to deliver unbeatable grinding performance versus all other ceramic discs on the market today
- The unique combination of razor-sharp grains with a supersized grinding aid helps to significantly reduce heat generation for cooler cuts and longer life on all materials
- A single disc design has been optimized for superior performance on all materials including carbon steel, aluminum, stainless-steel and hard-to-grind metals



Razor Sharp Tips

### ENGINEERED SHAPED CERAMIC GRAIN

The engineered shaped grain in Norton RazorStar discs features a consistent shape from grain to grain along with razor-sharp cutting points. The unique patented geometry and tough micro-structure enable the grain to stay sharp, as new cutting points are exposed when the grain fractures. RazorStar discs also features a very high concentration of grains oriented in an upright position, so they are ready to cut and perform at their sharpest.



#### HIGHER CUT RATE

Engineered shaped grain cuts faster and removes more material



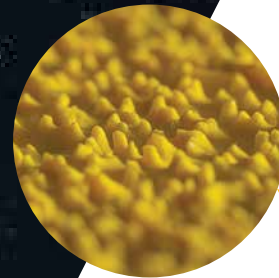
#### LONGER LIFE

Unique patent protected geometry enables the grain to stay sharp, allowing for unparalleled disc-life



#### COOLER CUT

Design helps to significantly reduce heat generation and maintain cooler grinding



More Upright Grain



AVAILABILITY

Fiber Discs

SIZE	GRIT	PKG QTY.	PART #
<b>Norton RazorStar F990S Fiber Discs</b>			
4-1/2" x 7/8"	36 +	25	662544 <b>27990</b>
5" x 7/8"	36 +	25	662544 <b>27991</b>
7" x 7/8"	36 +	25	662544 <b>27992</b>
9-1/8" x 7/8"	36 +	25	662544 <b>27993</b>

Accessories

DESCRIPTION	MAX. RPM	STD. PKG.	PART#
<b>Rubber Air-Cooled Standard Back-up Pads</b>			
4-1/2" Medium	11,000	5	636425 <b>02122</b>
5" Medium	10,000	5	636425 <b>43421</b>
7" Medium	8,600	5	636425 <b>43422</b>
<b>Rubber Air-Cooled No-Nose Back-up Pads</b>			
4-1/2" Medium	11,000	5	636425 <b>04872</b>
5" Medium	10,000	5	636425 <b>03000</b>
7" Medium	8,600	5	662544 <b>87375 NS</b>

Note: Retainer nuts are not included with back-up pads. These must be ordered separately.  
 NS - Non-stock

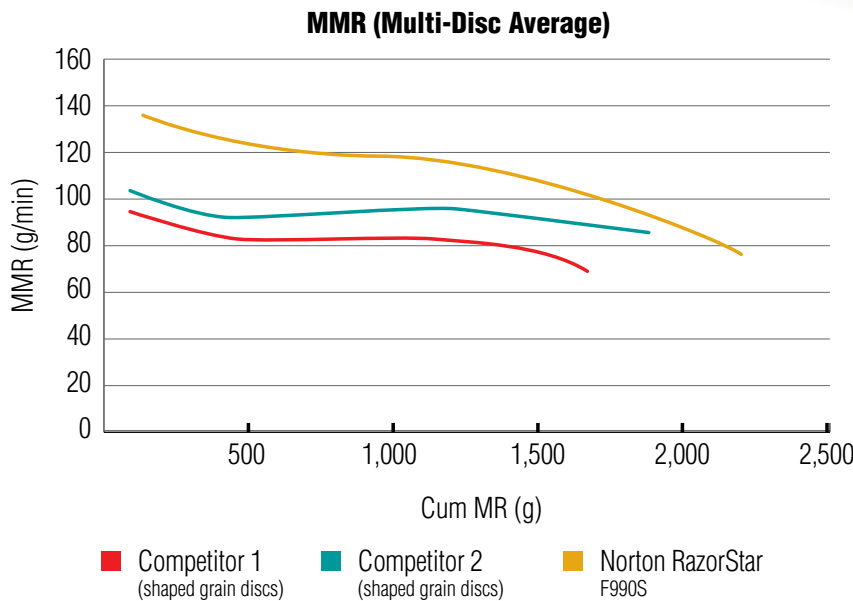
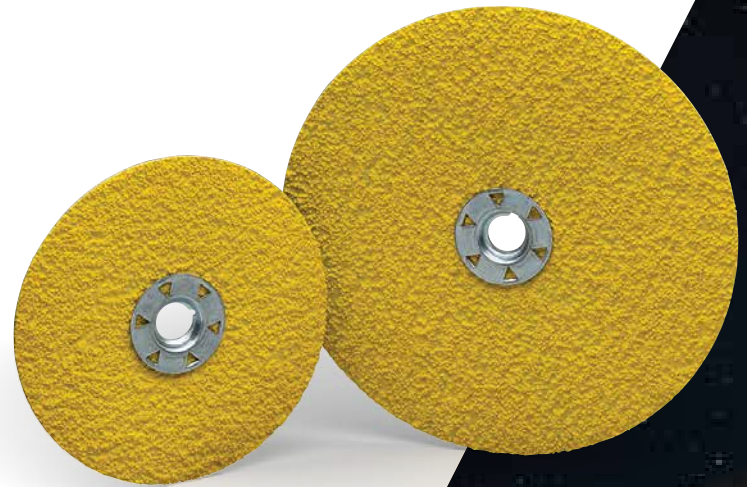
Speed-Lock Fiber Discs

SIZE	GRIT	PKG QTY.	PART #
<b>Norton RazorStar F990S Speed-Lock Fiber Discs</b>			
4-1/2" x 5/8"-11	36 +	25	662544 <b>30117</b>
5" x 5/8"-11	36 +	25	662544 <b>30118</b>
7" x 5/8"-11	36 +	25	662544 <b>30119</b>

DESCRIPTION	MAX. RPM	STD. PKG.	PART#
<b>Rubber Smooth Face / Speed Change Back-up Pads</b>			
4-1/2" Medium	20,000	5	662544 <b>92277</b>
5" Medium	12,000	5	636425 <b>43240</b>
7" Medium	8,600	5	636425 <b>43245</b>
<b>Tools</b>			
#103 Retainer Nut		10	636425 <b>43463</b>
Spanner Wrench		5	636425 <b>43005</b>
66NS Short Retainer Nut		10	636425 <b>43461</b>

UNBEATABLE GRINDING PERFORMANCE

Taking Sharp to a Whole New Level



**PERFORMANCE MATTERS**

# Norton RazorStar Fiber Discs are Sharper Than Ever



**CASE STUDIES**

*APPLICATION:* Weld Grinding on Large Tactical Vehicles

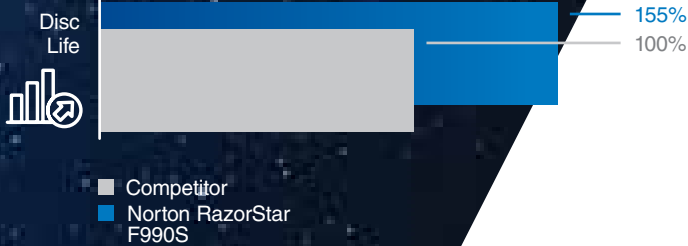
*MATERIAL:* Carbon Steel

*COMPETITIVE DISC:* 7" Fiber disc, 36+ grit

*NORTON PRODUCT:* 7" F990S 36+ grit

*RESULTS:* The Norton RazorStar disc outperformed the competitive disc in material removal and product life. The Norton RazorStar disc had a faster cut rate and left a smoother finish after grinding.

**55%** Longer Disc Life



*APPLICATION:* Weld Grinding for Railing Fabrication

*MATERIAL:* Carbon Steel Pipes

*COMPETITIVE DISC:* 4-1/2" Fiber disc, 36+ grit, Hard back-up pad

*NORTON PRODUCT:* 4-1/2" F990S 36+ grit, Medium back-up pad

*RESULTS:* The Norton RazorStar disc performed faster when blending a weld on a pipe used for railing fabrication. Using a Norton RazorStar disc the operator was able to grind the same size section 28% faster.

**28%** Faster



**FOR UNBEATABLE GRINDING RESULTS**  
Contact your local Norton representative and put Norton RazorStar discs to the test today

