

NORTON

BEAR-TEX VORTEX UNIFIED WHEELS FOR HEAVY DEBURRING AND FINISHING

Revolutionary Grain Technology: Taking Deburring to a Whole New Level

Patented grain, combined with a new manufacturing process, produces up to twice the stock removal rates of conventional unified wheels.

Aggressive cut and a new advanced resin bond system result in longest wheel life and up to two times the number of pieces finished per wheel.

Norton
Bear-Tex

VORTEX
technology

FEATURES

- High-performance engineered grain and improved resin bond system
- Thick nylon web
- Porous
- New curing process and bond technology
- Excellent form holding
- Preformable
- Up to 2x the number of pieces finished
- Unique blue color
- Right angle grinder Vortex Rapid Finish wheels

BENEFITS

- Aggressive, fast, stock removal, reduced cycle times, and increased part quality
- 2x longer life and faster finishing – with minimal shedding
- Cool cutting and improved cut rate
- Consistent performance from first contact to stub size, improved part quality, with no chemical odor or smearing
- Will not break down under heavy deburring conditions
- Can be used on a variety of shapes and contours
- Less downtime for changes; maximum productivity per wheel over other unified wheels
- Easily identified
- Ideal for removing light welds and blending stainless steel

NEW 4-1/2" VORTEX RAPID FINISH

Vortex Target Applications

Thread deburring operations

Light weld bead and weld splatter removal on stainless steel

Any customers with heavy deburring and finishing applications

Good replacement for spindle-mounted flap wheels and cotton-laminated wheels, which often generate unpleasant odors when grinding

BEAR-TEX VORTEX UNIFIED WHEELS FOR HEAVY DEBURRING AND FINISHING

Non-stock Wheel Availability

These **non-stock UPC numbers** have been created to help you easily order. Lead-time is a maximum of two weeks.

| SIZE | STD. PKG. | 3AM | 5AM | 7AM | 9AM |
|--|-----------|-------------|-------------|-------------|-------------|
| Vortex Arbor-Mount Wheels | | | | | |
| 2 x 1/8 x 1/8 | 60 | — | 66254425657 | 66254410849 | — |
| 2 x 1/8 x 1/4 | 60 | — | 66254406346 | 66261191446 | — |
| 2 x 1/4 x 1/4 | 60 | 66254428456 | 66254433504 | 66261080270 | — |
| 2 x 1 x 1/4 | 15 | — | — | 66261080269 | — |
| 3 x 1/8 x 1/4 | 40 | — | 66261093448 | 66261191445 | — |
| 3 x 1/8 x 3/8 | 40 | — | 66254433503 | 66254401131 | — |
| 3 x 1/4 x 1/4 | 40 | 66254428454 | 66254414832 | 66261199696 | — |
| 3 x 1/4 x 3/8 | 40 | 66254433505 | 66254433506 | 66261199697 | — |
| 3 x 1/2 x 1/4 | 20 | — | 66254432925 | 66261080267 | 66254433507 |
| 3 x 1/2 x 3/8 | 20 | — | 66254433508 | 66261080266 | 66254420696 |
| Vortex Speed-Lok Wheels | | | | | |
| 2 x 1/8 x TR | 60 | — | 66254425632 | 66254433509 | — |
| 2 x 3/16 x TR | 60 | 66254428236 | — | — | — |
| 2 x 1/4 x TR | 60 | 66254428237 | 66254413660 | 66254433510 | — |
| 3 x 1/8 x TR | 40 | — | 66261093556 | 66261090909 | — |
| 3 x 3/16 x TR | 40 | 66254428239 | — | — | — |
| 3 x 1/4 x TR | 40 | 66254428238 | 66254413661 | 66254406395 | — |
| Vortex Rapid Finish Wheels – Type 27 Depressed Center | | | | | |
| 4-1/2 x 5/8-11 | 10 | — | 66254429243 | — | — |
| 4-1/2 x 7/8 | 10 | — | 66254429268 | — | — |

Additional Non-stock Wheel Availability

| SPECIFICATION | DESCRIPTION |
|----------------|---------------------------------|
| DIAMETER: | 1" to 12" |
| THICKNESS: | 1/8", 1/4", 1/2", 1" |
| HOLE SIZE: | Any hole size (safety-approved) |
| SPECIFICATION: | 3AM, 5AM, 7AM, and 9AM |
| LEAD-TIME: | Max. two weeks |



THREAD DEBURRING TEST RESULTS

WORKPIECE:

OD and ID threads of oil field piping

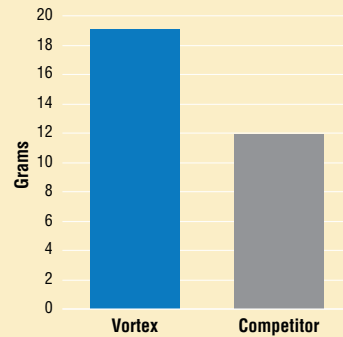
TOTAL PARTS DEBURRED:

| NORTON VORTEX UNIFIED WHEEL | COMPETITIVE A/O HD UNIFIED WHEEL |
|-----------------------------|----------------------------------|
| 98 | 41 |

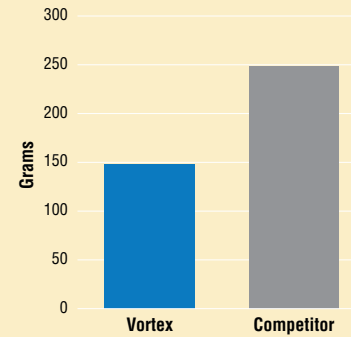
DEBURRING TIME PER PART:

| | |
|------------|------------|
| 24 seconds | 48 seconds |
|------------|------------|

Workpiece Material Removed



Wheel Wear



BEST

For most abrasive applications, Norton offers up to three product performance levels – GOOD, BETTER and BEST. Bear-Tex Vortex unified wheels are in the BEST tier. They represent products that are unmatched in the industry and provide the lowest total cost for the application.

To put Norton abrasives to work for you, call your local Norton distributor or visit our website at www.nortonabrasives.com to view our online catalog and learn about our latest products and applications.

HEADQUARTERS:
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