

NORTON

SAINT-GOBAIN

VORTEX[®]
RAPID BLEND

Transforming
surfaces
...and beyond

GRIND & BLEND IN ONE CONTROLLED STEP

Grinding and blending with Norton Vortex Rapid Blend discs and wheels provide a 30% – 50% improvement in productivity while leaving smear-free finishes in one step. The patented Vortex engineered grain allows for a faster cut rate and can remove burrs and welds while providing a finer finish, offering twice the life over conventional unified wheels. Operators will find controlled-comfort in use with the unified wheel while reducing steps and time.

KEY MARKET SEGMENTS

OIL AND GAS | METAL FABRICATION |
AEROSPACE | AUTOMOTIVE | WELDING

KEY MARKET APPLICATIONS

AXLE & THREAD DEBURRING |
FINISHING | BLENDING

MATERIALS

ALUMINUM | MILD STEEL | CARBON STEEL
INCONEL | TITANIUM | STAINLESS STEEL



www.nortonabrasives.com


SAINT-GOBAIN

THE BEST JUST GOT BETTER



WATERPROOF COMFORATABLE NON-LOADING

Vortex Rapid Blend discs have a unified 3D construction that enables the wheel to be used on the top, bottom or side for added versatility in deburring and finishing applications. Unified discs and wheels are formed by compressing multiple layers of non-woven web material and bonding together to create an abrasive wheel. A range of densities are available for applications ranging from heavy stock removal to mild finishing.

FEATURES & BENEFITS

- Proprietary engineered Vortex aluminum oxide aggregate grain stays sharper longer for increased cut rate while still offering a fine finish
- Special resin chemistry resists shedding when used on sharp edges, making it ideal for deburring; no smearing
- 3D wheel construction enables multi-dimensional grinding which saves time on multiple wheel changes
- Densities available from high to low depending on application

Depressed Center Discs

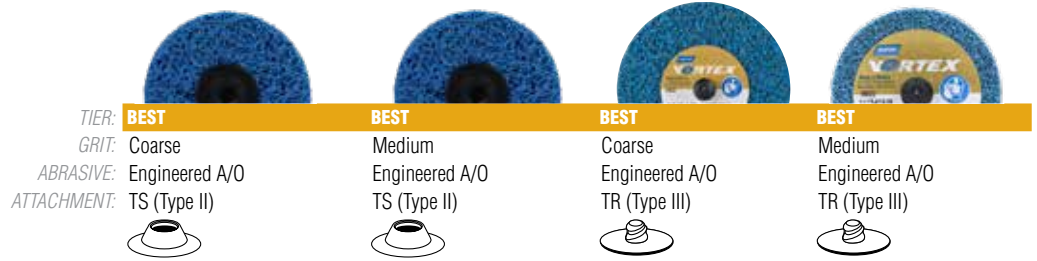


TIER:	BEST	BEST
GRIT:	Coarse	Medium
ABRASIVE:	Engineered A/O	Engineered A/O

SIZE (D x H)	DENSITY	MAX. RPM	STD. PKG.	PART #	PART #
4-1/2" x 5/8"-11	5	12,000	10	—	662544 29243
	5	12,000	10	662611 32881	—
	8	12,000	10	662611 32929	—
4-1/2" x 7/8"	5	12,000	10	—	662544 29268
	5	12,000	10	662611 32880	—
	8	12,000	10	662611 32928	—



Quick-Change Unified Discs



SIZE (D x T)	DENSITY	MAX. RPM.	STD. PKG.	PART #	PART #	PART #	PART #
2" x 1/8"	5	22,000	60	662611 32884	—	662611 32882	—
	5	22,000	60	—	—	—	662544 25632 NS
	7	22,000	60	—	—	—	662544 33509 NS
	8	22,000	60	662611 32885	—	662611 32883	—
2" x 3/16"	3	18,000	60	—	—	—	662544 28236
2" x 1/4"	1	22,000	25	—	662544 97070	—	—
	3	22,000	60	—	—	—	662544 28237
3" x 1/8"	5	30,000	60	662611 32886	—	—	662544 13660
	7	30,000	60	—	—	—	662544 33510
	8	30,000	60	662611 32887	—	—	662544 97067
	5	18,000	40	—	—	—	662610 93556
3" x 3/16"	5	22,000	40	662611 32890	—	662611 32888	—
	7	18,000	40	—	—	—	662610 90909
	8	22,000	40	662611 32891	—	662611 32889	—
	3	15,000	40	—	—	—	662544 28239 NS
3" x 1/4"	1	18,000	25	—	662544 97069	—	662544 97068
	3	18,000	40	—	—	—	662544 28238
5" x 1/4"	5	18,000	40	—	—	—	662544 13661
	5	18,000	40	662611 32894	—	662611 32892	—
	7	15,000	40	—	—	—	662544 06395
	8	18,000	40	662611 32895	—	662611 32893	—

NS = Non-Stock items.

Arbor Hole Unified Wheels



(D x T x H)	DENSITY	MAX. RPM.	STD. PKG.	PART #	PART #
1" x 1" x 3/16"	5	35,000	50	662611 32922	—
	8	35,000	50	662611 32923	—
2" x 1/8" x 1/8"	5	22,000	60	662611 32896	662544 25657 NS
	7	22,000	60	—	662544 10849 NS
	8	22,000	60	662611 32897	—
2" x 1/8" x 1/4"	5	22,000	60	662611 32898	662544 06346 NS
	7	22,000	60	—	662611 191446
	8	22,000	60	662611 32899	—
2" x 1/4" x 1/4"	3	18,000	60	—	662544 28456 NS
	5	22,000	60	662611 32900	662544 33504
	7	22,000	60	—	662610 80270
	8	22,000	60	662611 32901	—
2" x 1/2" x 1/4"	5	22,000	30	662611 32914	—
	8	22,000	30	662611 32915	—
2" x 1" x 1/4"	5	22,000	15	662611 32916	—
	7	22,000	15	—	662610 80269 NS
	8	22,000	15	662611 32917	—
3" x 1/8" x 1/4"	5	18,000	40	662611 32902	—
	5	18,000	40	—	662610 93448
	7	18,000	40	—	662611 191445
	8	18,000	40	662611 32903	—
3" x 1/8" x 3/8"	5	18,000	40	662611 32904	662544 33503 NS
	7	18,000	40	—	662544 01131 NS
	8	18,000	40	662611 32905	—

NS = Non-Stock items.

(D x T x H)	DENSITY	MAX. RPM.	STD. PKG.	PART #	PART #
3" x 1/4" x 1/4"	3	12,000	40	—	662544 28454 NS
	5	18,000	40	662611 32906	662544 14832
	7	18,000	40	—	662611 199696
3" x 1/4" x 3/8"	8	18,000	40	662611 32907	—
	3	12,000	40	—	662544 33505 NS
	5	18,000	40	662611 32908	662544 33506 NS
	7	18,000	40	—	662611 199697
3" x 1/2" x 1/4"	8	18,000	40	662611 32909	—
	5	18,000	20	662611 32912	662544 32925
	7	18,000	20	—	662610 80267
	8	18,000	20	662611 32913	—
3" x 1/2" x 3/8"	9	18,000	20	—	662544 33507 NS
	5	18,000	20	662611 32910	662544 33508
	7	18,000	20	—	662610 80266
3" x 1" x 1/4"	8	18,000	20	662611 32911	—
	9	18,000	20	—	662544 20696 NS
	5	18,000	10	662611 32918	—
4" x 1" x 1/4"	8	18,000	10	662611 32919	—
	5	16,000	5	662611 32920	—
	8	16,000	5	662611 32921	—
6" x 1/2" x 1"	5	12,000	4	662611 32924	699573 18950
	8	12,000	4	662611 32925	780727 67709
6" x 1" x 1"	5	12,000	2	662611 32926	776960 93919
	8	12,000	2	662611 32927	780727 13652

NS = Non-Stock items.

APPLICATION: CARBON STEEL REMOVAL

MACHINE: Dynabrade model #52667
RPM: 15,000
PSI: 3.5 lbs.
GRIND TIME: 12:00 Minutes
RESULTS:

INCUMBENT INFORMATION

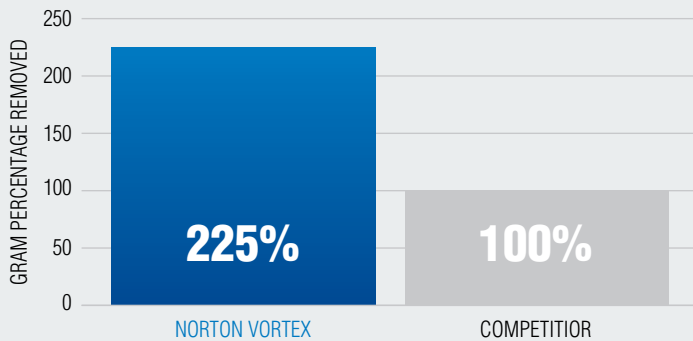
Incumbent Disc:	Total Grams Removed:	12
	Disc Before:	25
	Disc After:	18
	Amount Lost (grams):	7
	Diameter After:	2.625

VS.

NORTON PRODUCT INFORMATION

Norton Vortex Rapid Blend 4 1/2" Depressed Center Disc:	Total Grams Removed:	27
	Disc Before:	37
	Disc After:	31
	Amount Lost (grams):	6
	Diameter After:	2.750

CARBON STEEL TOTAL GRAMS REMOVED



TECH TIP

3D Construction

The 3D construction means the abrasive is distributed throughout the entire disc (top, bottom and side) so all three faces can be used versus discs with one single bottom layer of abrasive.



! It is the user's responsibility to refer to and comply with ANSI B7.1

See it in action
[youtube.com/watch?v=FgSLez3MKj8](https://www.youtube.com/watch?v=FgSLez3MKj8)

BEST – NORTON Vortex Rapid Blend

BETTER – NORTON Rapid Blend NEX

GOOD – Refer to BETTER Product

www.facebook.com/NortonAbrivesNA | www.youtube.com/NortonAbrives | www.nortonabrasives.com

USA CUSTOMER SERVICE:

Toll Free Phone: 1 (800) 551-4413
 Toll Free Fax: 1 (800) 551-4416

CANADA CUSTOMER SERVICE:

Toll Free Phone: 1 (800) 263-6565
 Toll Free Fax: 1 (800) 561-9490

FORM #8302 REV. 06/23

© Saint-Gobain June 2023.

Norton, Rapid Blend, Vortex, and "Transforming surfaces and beyond" are trademarks of Saint-Gobain Abrives. All other trademarks are the property of their respective owners.



NO-RISK TEST

