



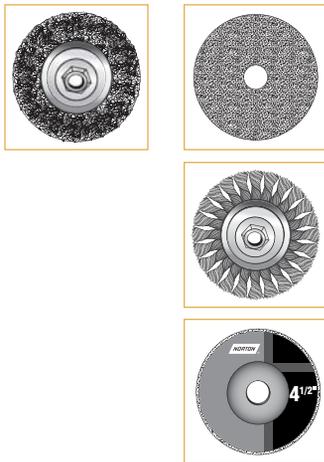
CATEGORY DEFINITION

Non-woven right angle discs have three components: strong synthetic fiber mesh and quality abrasives, bonded together by a smear-resistant adhesive. Rapid Strip discs have an open web construction that enables aggressive cutting action while inherently maintaining a cool, non-loading surface. Rapid Finish discs have a very tight unitized construction for deburring and finishing. Rapid Prep and Surface Preparation discs have a more open weave that excels in preparation and cleaning of a surface. Each product provides excellent cutting action while improving surface finish.

The non-woven web is attached to a fiberglass backing plate (Rapid Strip/Rapid Finish/Rapid Prep depressed center wheels) for direct mounting or onto a woven substrate backing (Surface Prep discs) for mounting on a rubber back-up pad.

APPLICATIONS:	Medium-to-light material removal, deburring, blending, cleaning, finishing, and polishing
SIZE RANGE:	4-1/2" - 7" / 7/8" plain hole or 5/8"-11 discard mount
GRIT RANGE:	X-Coarse, Coarse, Medium, Fine, Very Fine
ABRASIVE GRAIN:	Silicon Carbide, Aluminum Oxide
BACKING PLATE:	Fiberglass (Rapid Strip, Rapid Finish and Rapid Prep)
BACK-UP PAD:	Rubber (Surface Prep)

WHY CHOOSE NON-WOVEN RIGHT ANGLE DISCS?



Non-Woven Right Angle Discs vs. Fiber Discs, Wire Wheels, and Depressed Center Wheels

- Deburring, blending and finishing done with one product to reduce the number of steps
- To provide a controlled, sustained finish
- To prevent undercutting and gouging
- To provide a cooler grinding action to lessen the chance of warping or discoloration
- When loading is an issue with fiberglass, adhesives and soft metals
- For stripping coatings and paint off of hard materials like concrete, cement and stone
- Less vibration and quieter for high operator acceptance
- To provide a safe alternative to wire brushes

MATERIAL/APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE

	BEST HIGHEST PRODUCTIVITY LOWEST TOTAL COST	BETTER EXCELLENT BLEND OF PERFORMANCE & PRICE	GOOD CONSISTENT PERFORMANCE LOW INITIAL PRICE
Removing scale and coarse welding marks Removing coatings, epoxy/glue, paint and other clogging material Removing rust, oxidation, corrosion and residue Removing parting lines and seams on fiberglass parts Removing paint/graffiti from concrete/stone	–	Rapid Strip S/C X-Coarse	PowerStrip S/C X-Coarse
Removing weld marks and weld splatter Stainless steel deburring and cleaning Removing small flashings and parting lines	Vortex Rapid Finish A/O Medium	AVOS Surface Prep A/O Coarse	Rapid Finish A/O Medium Surface Prep A/O Coarse
Surface preparation before coatings/plating Light cleaning	Vortex Rapid Finish A/O Medium	AVOS Surface Prep A/O Medium	Rapid Prep A/O Medium Surface Prep A/O Medium
Cleaning and prepping welds Removing blemishes after welding stainless	Vortex Rapid Finish A/O Medium	AVOS Surface Prep A/O Medium	Rapid Finish A/O Fine Surface Prep A/O Medium
Blending and finishing all metal parts Creating decorative finishes on stainless steel Final finishing and polishing	–	AVOS Surface Prep A/O Very Fine	Rapid Finish S/C Very Fine Surface Prep A/O Very Fine
Final finishing/polishing where high conformability is needed	–	–	Abrasive Brush



APPLICATION/PRODUCT RECOMMENDATION GUIDE

	← MOST AGGRESSIVE / LEAST CONFORMABLE			LEAST AGGRESSIVE / MOST CONFORMABLE →	
TYPE 27 DISC	RAPID STRIP POWERSTRIP	VORTEX RAPID FINISH RAPID FINISH A/O MEDIUM	RAPID FINISH A/O FINE RAPID PREP	RAPID FINISH S/C VERY FINE	ABRASIVE BRUSH
DISCS WITH BACK-UP PAD		SURFACE PREP A/O COARSE	SURFACE PREP A/O MEDIUM	SURFACE PREP A/O VERY FINE	
SCALE REMOVAL	BEST CHOICE				
STOCK REMOVAL	BEST CHOICE	SECOND CHOICE			
HEAVY DEBURRING	SECOND CHOICE	BEST CHOICE			
LIGHT DEBURRING		BEST CHOICE	SECOND CHOICE		
LIGHT FINISHING		SECOND CHOICE	BEST CHOICE		
BLENDING			BEST CHOICE	SECOND CHOICE	
FINISHING			SECOND CHOICE	BEST CHOICE	
POLISHING				BEST CHOICE	SECOND CHOICE

CROSS REFERENCE GUIDE

	STRIPPING EXTRA COARSE		SURFACE FINISHING COARSE – MEDIUM – FINE		SURFACE PREP VERY FINE	
NORTON	BETTER Rapid Strip	GOOD	BEST Vortex Rapid Finish	GOOD Rapid Finish Surface Prep	GOOD Rapid Prep	GOOD Abrasive Brush
MERIT		PowerStrip				
3M	Clean & Strip	–	–	–	SL Surface Conditioning	Bristle Discs
Bibielle	SDRR Strip-It Red	SDR Strip-It	–	Unitized	–	–
Camel	EZ Strip Red	EZ Strip Black	–	–	–	–
Flexovit	–	Clean & Strip	–	–	–	–
Hermes	–	Webrax	–	–	–	–
Pearl	–	S/C Stripping	–	–	Surface Preparation	–
Pferd	–	Policlean	–	Poliflex PUR	–	–
Sait	–	Sait-Strip	–	Unitized	–	–
Standard	–	Cleaning	–	Unitized	–	–
Superior	–	Stripping	–	Unitized	–	–
Walter	–	FX Cleaning	–	–	Blendex Surface Conditioning	–



Vortex Rapid Finish Type 27 Depressed Center Discs

For removing light welds and blending stainless steel

- High-performance engineered grain and improved resin bond system for aggressive, fast, stock removal, reduced cycle times, and increased part quality
- Thick nylon web provides 2X longer life and faster finishing with minimal shedding
- Porous construction provides cool cutting and improved cut rate
- New curing process and bond technology for consistent performance from first contact to stub size, and improved part quality, with no chemical odor or smearing
- Excellent form holding; will not break down under heavy deburring conditions
- Conformable; can be used on a variety of shapes and contours
- Up to 2X the number of pieces finished; less downtime for changes; maximum productivity per wheel over other unified wheels
- Easily identifiable; unique, blue color



FEATURED PRODUCTS AND AVAILABILITY



RAPID STRIP NON-WOVEN DEPRESSED CENTER DISCS – TYPE 27

BETTER CHOICE FOR QUICK AND EASY ROUGH CLEANING AND STRIPPING OF ALL MATERIALS

FEATURES

- Thick, strong, synthetic fibers and extra coarse silicon carbide abrasive bonded with a durable, smear-resistant adhesive
- Open web construction

BENEFITS

- Aggressive cutting, cleaning and stripping of all materials
- Minimizes loading

AVAILABILITY

			TIER:	BETTER	GOOD
			BRAND:	Norton	Merit
			TRADENAME:	RAPID STRIP	POWERSTRIP
			ABRASIVE:	Silicon Carbide	Silicon Carbide
			GRIT SIZE:	60 - 80	60 - 80
			GRADE:	X-Coarse	X-Coarse
			TYPE/BACKING:	Type 27/Fiberglass	Type 27/Fiberglass
SIZE (D X H)	MAX. RPM	STD. PKG.		PART NO.	PART NO.
4-1/2 x 5/8-11	12,000	10		66261009585	08834197038
4-1/2 x 7/8	12,000	10		66261009649	08834192122
5 x 5/8-11	11,000	10		66254473456	
5 x 7/8	11,000	10		66261030655	
7 x 5/8-11	8,000	10		66261009650	08834197040
7 x 7/8	8,000	10		66261009586	08834196415



VORTEX RAPID FINISH DEPRESSED CENTER DISCS – TYPE 27

REVOLUTIONARY TECHNOLOGY FOR HEAVY DEBURRING AND FINISHING

FEATURES

- High-performance engineered abrasive
- New bond technology
- Controlled porosity

BENEFITS

- Aggressive, fast stock removal cut rate while providing a fine finish
- Twice the wheel life over conventional unified wheels
- Consistent performance with no smearing
- Cooler cut rate

AVAILABILITY

			TIER:	BEST	GOOD	GOOD	GOOD	GOOD
			BRAND:	Norton	Norton	Norton	Norton	Norton
			TRADENAME:	VORTEX RAPID FINISH	RAPID FINISH	RAPID FINISH	RAPID FINISH	RAPID PREP
			ABRASIVE:	Engineered A/O	Aluminum Oxide	Aluminum Oxide	Silicon Carbide	Aluminum Oxide
			GRIT SIZE:	100-120	150-180	220-280	320-400	150-180
			GRADE:	Medium	Medium	Fine	Very Fine	Medium
			TYPE/BACKING:	Type 27/Fiberglass	Type 27/Fiberglass	Type 27/Fiberglass	Type 27/Fiberglass	Type 27/Fiberglass
SIZE (D X H)	MAX. RPM	STD. PKG.		PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
4-1/2 x 5/8-11	12,000	10		66254429243	66261023947	66261023946	66261023943	66261023949
4-1/2 x 7/8	12,000	10		66254429268	66261020548	66261020547	66261020546	66261020549



FEATURED PRODUCTS AND AVAILABILITY



AVOS SURFACE PREP SPEED-LOK DISCS

BETTER CHOICE FOR LIGHT DEBURRING, CLEANING AND FINISHING

FEATURES

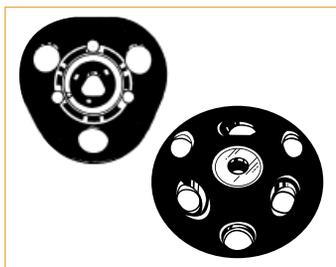
- Patented hole design
- Scooped holes
- 15 degree angle back-up pad

BENEFITS

- Allows interrupted cut which reduces heat up to 30% over standard surface preparation discs
- Cool cutting results in longer disc life
- Provides complete vision into the grinding zone
- Operators can grind more accurately with less re-work
- Create air flow to pull loose abrasive and swarf away from work surface grinding zone – resulting in extended disc life
- Grinding at 5°-15° angle allows greater utilization of disc surface
- Eliminates gouging of workpiece

AVAILABILITY

TIER:		BETTER	BETTER	BETTER	GOOD	GOOD	GOOD
BRAND:		Norton	Norton	Norton	Norton	Norton	Norton
TRADENAME:		AVOS SURFACE PREP	AVOS SURFACE PREP	AVOS SURFACE PREP	SURFACE PREP	SURFACE PREP	SURFACE PREP
ABRASIVE:		Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide
GRIT SIZE:		60-80	150-180	320-400	60-80	150-180	320-400
GRADE:		Coarse	Medium	Very Fine	Coarse	Medium	Very Fine
ATTACHMENT:		Speed-Lok	Speed-Lok	Speed-Lok	7/8" Hole	7/8" Hole	7/8" Hole
SIZE (D X H)	STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
4-1/2"	40	66261010447	66261010448	66261010449	66254473868	66261051054	66254473867
5"	40	66261009427	66261009428	66261009429	66261008293	66261017123	66254469077
7"	40	66261009430	66261009431	66261009432	66261008953	66254473870	66261069358



DESCRIPTION

AVOS SPEED-LOK BACK-UP PADS

DESCRIPTION	MAX. RPM	STD. PKG.	PART NO.
4-1/2" x 5/8-11 (triangular)	13,000	5	63642502985
5 x 3/8-24 Pistol Grip* (triangular)	20,000	5	63642503029
5 x 5/8-11 (triangular)	13,000	5	63642502517
5 x 7/16-20 Pistol Grip* (triangular)	20,000	5	63642503030
7 x 5/8-11 Medium (round)	8,600	5	63642504874

* USE ON AIR PNEUMATIC AND HIGH-SPEED PISTOL GRIP SANDERS.



NON-WOVEN ABRASIVE BRUSHES – TYPE 27

USE WHERE MAXIMUM CONFORMABILITY IS NEEDED

FEATURES

- Feature tough, flexible nylon filaments embedded with abrasive grain

BENEFITS

- Provide finishing and polishing where maximum conformability is needed

AVAILABILITY

TIER:		GOOD	GOOD
BRAND:		Norton	Norton
TRADENAME:		ABRASIVE BRUSH	ABRASIVE BRUSH
ABRASIVE:		Silicon Carbide	Silicon Carbide
GRIT SIZE:		80	120
GRADE:		Fine	Very Fine
BACK-UP PAD:		Rubber Back-up Pad	Rubber Back-up Pad
SIZE (D X H)	MAX. RPM	STD. PKG.	PART NO.
7 x 1 x 7/8	6,000	5	66261058830
			66261058834

USE WITH AIR-COOLED RUBBER BACK-UP PAD AND RETAINER NUT

SURFACE PREP DISC AND ABRASIVE BRUSH BACK-UP PADS

4-1/2" Medium	11,000	5	63642502122
5" Medium	10,000	5	63642543421
7" Medium	8,600	5	63642543422
#103 Retainer Nut		10	63642543463