

**NORTON**

SAINT-GOBAIN®



## AEROSPACE COMMERCIAL FINISHING ABRASIVE PRODUCT GUIDE

World demand for commercial aircraft is at record levels. Norton application engineers recognize that manufacturing time and accuracy are your most important resources.

Industry trends call for more complex, high-cost parts. Processing these parts and materials is costly. Choose Norton abrasive products to improve the quality of your finished parts, minimize abrasive costs, and reduce production time.

**NORTON**

SAINT-GOBAIN®

High-performance abrasive designs have been developed for material-specific aerospace applications:

- Offhand blending machine mismatches
- Radius/side wall blending
- Working contoured radius parts
- Reaching intricate areas
- Edge breaking
- Deburring
- Sanding fuselage and airframe components
- Intermediate finishing
- Final finishing

Application/Material-to-Product Starting Recommendation Guide Overview

Bolded product represents first choice. See following pages for specific product recommendations for these materials and composite applications.

APPLICATION	TOOL	RECOMMENDED PRODUCT	RECOMMENDED PRODUCT
		<b>Material: Titanium, Stainless Steel, and Nickel Alloys</b>	<b>Material: Aluminum and Aluminum Alloys</b>
Major Mismatch	Right angle die grinder	<b>Norton Blaze R980P discs</b>	<b>Norton R766 discs</b>
	–	–	Norton Blaze R980P discs
	–	–	Norton BlueFire R884P discs
Mismatch	Right angle sander	<b>Norton Rapid Prep Vortex discs</b>	<b>Norton Rapid Prep Vortex discs</b>
	Right angle die grinder	–	Norton Rapid Prep RF discs
Edge Break	Right angle die grinder	<b>Norton Rapid Prep Vortex discs</b> Norton Rapid Blend Vortex discs	<b>Norton Rapid Prep RF discs</b> Norton Rapid Prep Vortex discs
Deburr	Right angle die grinder	<b>Norton Rapid Prep Vortex discs</b> Norton Rapid Blend Vortex discs	<b>Norton Rapid Prep RF discs</b>
	Right angle sander	–	Norton Rapid Prep Vortex discs
	Dynaflex II belt sander	Norton Rapid Prep XF file belts	Norton Rapid Prep XF file belts
Intermediate Finish	Right angle die grinder	<b>Norton Rapid Prep Vortex discs</b>	<b>Norton Rapid Prep RF discs</b> Norton Rapid Prep Vortex discs
Final Finish (If required)	Right angle die grinder	<b>Norton Rapid Prep Vortex discs</b>	<b>Norton Rapid Prep Vortex discs</b>
	Right angle sander	–	Norton Rapid Prep RF discs
Radius/Side Wall Blend	Straight-line die grinder	<b>Norton Blaze R920 cartridge rolls (straight or tapered)</b>	<b>Merit Aluminum Oxide Plus cartridge rolls (straight or tapered)</b>
	Dynaflex II belt sander	Norton R766 file belts	Norton R766 file belts

*Discs include quick-change and hook & loop*



Our patented Clean Bond Technology eliminates smearing.

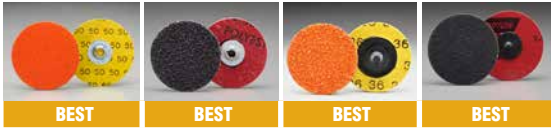


**MATERIALS:** Titanium, Stainless Steel, and Inconel | **APPLICATIONS:** Wing and Airframe Finishing

**Norton Blaze R980P and Red Heat R983 Ceramic Alumina**

Advanced ceramic alumina grain, grinding aid, and strong Y-weight. polyester back provide longer life and consistent, cooler cut-rate than competitive discs.

**Quick-Change Cloth Discs**



TIER:	<b>BEST</b>	<b>BEST</b>	<b>BEST</b>	<b>BEST</b>
BRAND:	Norton	Norton	Norton	Norton
TRADENAME:	Blaze R980P	Red Heat R983	Blaze R980P	Red Heat R983
ABRASIVE:	Ceramic Alumina	Ceramic Alumina	Ceramic Alumina	Ceramic Alumina
BACKING:	Polyester 3-Ply Heavy Duty	Polyester 1-Ply Conformable	Polyester 3-Ply Heavy Duty	Polyester 1-Ply Conformable
OTHER:	Supersized	Supersized	Supersized	Supersized
ATTACHMENT:	TS (Type II)	TS (Type II)	TR (Type III)	TR (Type III)

GRIT	STD. PKG.	PART #	PART #	PART #	PART #
<b>1-1/2"</b>					
24	100		66261132705*		66261132723*
36	100	66261162307	66261132706*	66261162308	66261132724*
50	100	66261162309	66261132707*	66261162310	66261132725*
60	100	66261162311	66261132708*	66261162312	66261132726*
80	100	66261162313	66261132709*	66261162314	66261132727*
120	100	66261043379	66261132710*	66261043380	66261132728*
<b>2"</b>					
24	25		66261132711		66261132729
36	25	66261162317	66261132712	66261162318	66261132730
50	25	66261162319	66261132713	66261162320	66261132731
60	25	66261162321	66261132714	66261162322	66261132732
80	25	66261162323	66261132715	66261162324	66261132733
100	25	66261043382		66261043383	
120	25	66261043384	66261132716	66261043386	66261132734
<b>3"</b>					
24	25		66261132717		66261132735
36	25	66261162327	66261132718	66261162328	66261132736
50	25	66261162329	66261132719	66261162330	66261132737
60	25	66261162331	66261132720	66261162332	66261132738
80	25	66261162333	66261132721	66261162334	66261132739
100	25	66261043389		66261043390	
120	25	66261043391	66261132722	66261043392	66261132740

\* Standard Package = 25 discs

**Cloth PSA Discs  
(Pressure Sensitive Adhesive)**



TIER:	<b>BEST</b>
BRAND:	Norton
TRADENAME:	Blaze R980P
ABRASIVE:	Ceramic Alumina
ATTACHMENT:	PSA Discs

GRIT	MIN./ STD. PKG.	PART #
<b>5"</b>		
36	50/250	66254461506
40	50/250	66254461507
50	50/250	66254461508
60	50/250	66254461509
80	50/250	66254461510
120	50/250	66254461512

**NEW! Best Norton Blaze R920 Ceramic Alumina**

Advanced ceramic alumina grain, lubricating grinding aid, and X-weight. durable cotton back deliver 50% to 300% longer life and faster, cooler cut-rate than competitive specialties.

**Cartridge Rolls and Spiral Rolls**



TIER:	<b>BEST</b>	<b>BEST</b>
BRAND:	Norton	Norton
TRADENAME:	Blaze R920	Blaze R920
ABRASIVE:	Ceramic Alumina	Ceramic Alumina
BACKING:	Cotton	Cotton
OTHER:	Supersized	Supersized

GRIT	STD. PKG.	PART #	PART #
<b>1/4" x 1-1/2" x 1/8" – Use M-9 Mandrel</b>			
60	100	66261194384	–
80	100	66261194394	–
120	100	66261194397	–
<b>3/8" x 1-1/2" x 1/8" – Use M-9 Mandrel</b>			
60	100	66261194392	66261194481
80	100	66261194395	66261194490
120	100	66261194398	66261194491
<b>1/2" x 1-1/2" x 1/8" – Use M-9 Mandrel</b>			
60	100	66261194393	66261194484
80	100	66261194396	66261194492
120	100	66261194399	66261194495

**Spiral Bands**



TIER:	<b>BEST</b>
BRAND:	Norton
TRADENAME:	Blaze R920
ABRASIVE:	Ceramic Alumina
BACKING:	Cotton
OTHER:	Supersized

SIZE (D x W)	GRIT	STD. PKG.	PART #
1/2 x 1	40	100	66261146012
1/2 x 1	60	100	66261146013
1/2 x 1	80	100	66261146014
1/2 x 1	120	100	66261146015
3/4 x 1	40	100	66261146016
3/4 x 1	60	100	66261146017
3/4 x 1	80	100	66261146018
3/4 x 1	120	100	66261146019
1 x 1	40	100	66261146020
1 x 1	60	100	66261146021
1 x 1	80	100	66261146022
1 x 1	120	100	66261146023
1-1/2 x 1-1/2	40	100	66261146024
1-1/2 x 1-1/2	60	100	66261146025
1-1/2 x 1-1/2	80	100	66261146026
1-1/2 x 1-1/2	120	100	66261146027
2 x 2	40	100	66261146028
2 x 2	60	100	66261146029
2 x 2	80	100	66261146030
2 x 2	120	100	66261146031
3 x 3	40	50	66261146032
3 x 3	60	50	66261146033
3 x 3	80	50	66261146034
3 x 3	120	50	66261146035

**Mini Flap Wheels**



TIER:	<b>BEST</b>
BRAND:	Norton
TRADENAME:	Blaze R920
ABRASIVE:	Ceramic Alumina
BACKING:	Cotton
OTHER:	Supersized

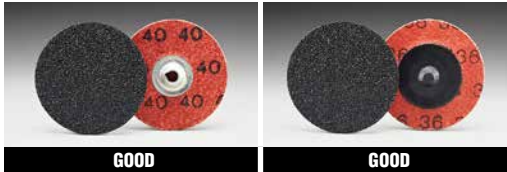
SIZE (D x W x SK.)	GRIT	STD. PKG.	PART #
1 x 1 x 1/4	60	10	66261151170
	80	10	66261151171
	120	10	66261151172
2 x 1 x 1/4	60	10	66261151173
	80	10	66261151174
	120	10	66261151175
3 x 1 x 1/4	60	10	66261151176
	80	10	66261151177
	120	10	66261151178

**MATERIALS:** Aluminum and Aluminum Alloys | **APPLICATIONS:** Wing and Airframe Finishing

**Norton R766 Aluminum Oxide Blend**

Premium abrasive blend and Y-weight. 2-ply backing provide aggressive cut and long life on moderately-demanding applications.

**Quick-Change Cloth Discs**



TIER:	<b>GOOD</b>	<b>GOOD</b>
BRAND:	Norton	Norton
TRADENAME:	R766	R766
ABRASIVE:	Aluminum Oxide	Aluminum Oxide
BACKING:	Polyester 2-Ply Standard	Polyester 2-Ply Standard
ATTACHMENT:	TS (Type II)	TR (Type III)



GRIT	STD. PKG.	PART #	PART #
<b>3/4"</b>			
50	100	69957399604	69957399672
60	100	69957399605	69957399673
80	100	69957399606	69957399674
100	100	69957399607	69957399675
120	100	69957399608	69957399676
<b>1"</b>			
50	100	66623318959	-
60	100	66623318960	-
80	100	66623318961	-
100	100	69957399619	69957399687
120	100	69957399620	69957399688
<b>1-1/2"</b>			
50	100	66623318974	66623318979
60	100	66623318975	66623318980
80	100	66623318976	66623318981
100	100	69957399631	69957399699
120	100	69957399632	69957399700
<b>2"</b>			
50	100	66623319001	66623319007
60	100	66623319003	66623319008
80	100	66623319004	66623319009
100	100	69957399643	69957399711
120	100	69957399644	69957399712
<b>3"</b>			
50	50	66623319023	66623319029
60	50	66623319024	66623319030
80	50	66623319025	66623319031
100	50	69957399655	69957399723
120	50	69957399656	69957399724
<b>4"</b>			
50	50	69957399663	69957399731
60	50	69957399664	69957399732
80	50	69957399665	69957399733
100	50	69957399666	69957399734
120	50	69957399667	69957399735

All 100 and 120 grit discs and all 3/4 and 4 inch discs are supplied in Merit Aluminum Oxide discs. Available in additional sizes and grits.

**NEW! Norton Metal R265 Aluminum Oxide**

Solid-performance aluminum oxide grain on flexible, yet strong X-weight heavy cotton backing creates a good starting specification with consistent performance.

**Cartridge Rolls and Spiral Rolls**



TIER:	<b>GOOD</b>	<b>GOOD</b>
BRAND:	Norton	Norton
TRADENAME:	Metal R265	Metal R265
ABRASIVE:	Aluminum Oxide	Aluminum Oxide
BACKING:	Cotton	Cotton

GRIT	STD. PKG.	PART #	PART #
<b>1/4" x 1-1/2" x 1/8" – Use M-9 Mandrel</b>			
60	100	66261132182	-
80	100	66261132183	-
120	100	66261132184	-
<b>3/8" x 1-1/2" x 1/8" – Use M-9 Mandrel</b>			
60	100	66261132188	66261132214
80	100	66261132189	66261132215
120	100	66261132190	66261132217
<b>1/2" x 1-1/2" x 1/8" – Use M-9 Mandrel</b>			
60	100	66261132194	66261132221
80	100	66261132195	66261132222
120	100	66261132197	66261132223

**Spiral Bands**



TIER:	<b>GOOD</b>
BRAND:	Norton
TRADENAME:	Metal R265
ABRASIVE:	Aluminum Oxide
BACKING:	Cotton

SIZE (D x W)	GRIT	STD. PKG.	PART #
1/2 x 1	40	100	66261146078
	60	100	66261146079
	80	100	66261146080
	120	100	66261146081
3/4 x 1	40	100	66261146082
	60	100	66261146083
	80	100	66261146084
	120	100	66261146085
1 x 1	40	100	66261146086
	60	100	66261146087
	80	100	66261146088
	120	100	66261146089
1-1/2 x 1-1/2	40	100	66261146090
	60	100	66261146093
	80	100	66261146094
	120	100	66261146095
2 x 2	40	100	66261146096
	60	100	66261146097
	80	100	66261146098
	120	100	66261146099
3 x 3	40	50	66261146100
	60	50	66261146101
	80	50	66261146102
	120	50	66261146103

**Mini Flap Wheels**



TIER:	<b>GOOD</b>
BRAND:	Norton
TRADENAME:	Metal R207
ABRASIVE:	Aluminum Oxide
BACKING:	Cotton

SIZE (D x W x SK.)	GRIT	STD. PKG.	PART #
2 x 1/2 x 1/4	60	10	63642502596
	80	10	63642502600
2 x 1 x 1/4	60	10	63642502601
	80	10	63642502602
2 x 1-1/2 x 1/4	60	10	63642502608
	80	10	63642502609
3 x 1/2 x 1/4	60	10	63642502610
	80	10	63642502612
3 x 1 x 1/4	60	10	63642502613
	80	10	63642502614
3 x 1 x 1/4	60	10	63642502620
	80	10	63642502621
	120	10	63642502622

**MATERIALS:** Composite, Aluminum, Copper Layer, Paint, Primer, UV, and Epoxy | **APPLICATIONS:** Defect Removal, Repair, and Finishing

**Norton Dry Ice A975 No-Fil Ceramic Alumina, and Adalox A275 and A290 No-Fil Aluminum Oxide**

Our Norton paper disc line includes a complete performance/price offering for composite and aluminum MRO, primer, and paint applications.

These No-Fil, steareded, discs have maximum load resistance (making them ideal for soft metals and composites):

Norton Dry Ice A975 Multi-Air Cyclonic No-Fil: Norton SG ceramic alumina vacuum discs excel at conditioning and removal of the most demanding coatings, while the patent-pending, laser-cut Cyclonic hole pattern delivers maximum dust extraction.

Norton Dry Ice A975 No-Fil: Norton SG ceramic alumina grain delivers fastest cut-rate and longest life of any paper discs, providing the best performance/cost ratio and lowest overall sanding costs.

Norton Adalox A275 No-Fil: Norton premium heat-treated aluminum oxide grain provides fast cut-rate and superior life, for above average performance/cost ratio.

Norton Adalox A290 No-Fil: versatile aluminum oxide grain ensures fast cut-rate and good life, for the most economical initial abrasive cost.

**Stick and Sand PSA  
(Pressure Sensitive Adhesive)  
Paper Disc Rolls**



TIER:	<b>BEST</b>	<b>BETTER</b>	<b>GOOD</b>
BRAND:	Norton	Norton	Norton
TRADENAME:	Dry Ice	Adalox	Adalox
CAP CODE:	A975 No-Fil	A275 No-Fil	A290 No-Fil
ABRASIVE:	Ceramic Alumina	Aluminum Oxide Heat-Treated	Aluminum Oxide
PAPER BACKING WEIGHT:	B- & C-Weight Fiber-Reinforced	B-Weight Fiber-Reinforced	C-Weight
OTHER:	P-Graded	P-Graded	P-Graded

GRIT	ROLLS/STD. PKG.	DISCS/ROLL	PART #	PART #	PART #
<b>5"</b>					
P80	4	100	66261140502	66261131464*	66261149830
P100	4	100	66261140501	66261131463*	66261149829
P120	4	100	66261140500	66261131462*	66261149828
P150	4	100	66261140499	66261131461*	66261149827
P180	4	100	66261140498	66261131460*	66261149826
P220	4	100	66261142474	66261131459*	66261149825
<b>6"</b>					
P80	4	100	66261140512	66261131481*	66261149842
P100	4	100	66261140511	66261131480*	66261149841
P120	4	100	66261140510	66261131479*	66261149840
P150	4	100	66261140509	66261131478*	66261149839
P180	4	100	66261140508	66261131477*	66261149838
P220	4	100	66261148340	66261131476*	66261149837

\* A275 Packaging Standards = 6/100

**Hook and Loop  
Individual Paper Discs**



TIER:	<b>BEST</b>	<b>BEST</b>	<b>BETTER</b>	<b>GOOD</b>
BRAND:	Norton	Norton	Norton	Norton
TRADENAME:	Dry Ice Multi-Air Cyclonic Vac	Dry Ice	Adalox	Adalox
CAP CODE:	A975 No-Fil	A975 No-Fil	A275 No-Fil	A290 No-Fil
ABRASIVE:	Ceramic Alumina	Ceramic Alumina	Aluminum Oxide Heat-Treated	Aluminum Oxide
PAPER BACKING WEIGHT:	B- & C-Weight Fiber-Reinforced	B- & C-Weight Fiber-Reinforced	B-Weight Fiber-Reinforced	C-Weight
OTHER:	P-Graded	P-Graded	P-Graded	P-Graded

GRIT	MIN. PKG.	STD. PKG.	PART #	PART #	PART #	PART #
<b>5"</b>						
P80	100	400	77696007745+	66261140522+	66261131549	66261149907
P100	100	400	-	66261140521+	66261131548	66261149906
P120	100	400	77696007753+	66261140520+	66261131547	66261149905
P150	100	400	77696007755+	66261140519+	66261131546	66261149904
P180	100	400	77696007756+	66261140518+	66261131545	66261149903
P220	100	400	77696007757+	66261149541+	66261131544	66261149902
<b>6"</b>						
80	100	400	77696007770+	66261140532+	66261131566	66261149916
100	100	400	-	66261140531+	66261131565	66261149915
120	100	400	77696007773+	66261140530+	66261131564	66261149914
150	100	400	77696007774+	66261140529+	66261131563	66261149913
180	100	400	77696007775+	66261140528+	66261131562	66261149912
220	100	400	77696007776+	66261149546+	66261131561	66261149911

+ A975 Packaging Standards = 50/200

**Case Study #1**

**APPLICATIONS:**

Small components and fuselage section repairs at airline repair facility

- Composite repair and finishing
- Paint removal
- UV/resin coating removal
- Copper lightning strike layer repair

**MACHINE:**

6" pneumatic orbital sander

**NORTON PRODUCT:**

6" assorted grit Norton Dry Ice Multi-Air Cyclonic A975 No-Fil ceramic alumina paper vacuum-hole discs

**COMPETITIVE PRODUCT:**

6" assorted grit, C-weight, aluminum oxide paper discs

**RESULTS:**

Norton discs delivered 20%+ improvement in life and cut rate, and significant improvement in dust collection

**Case Study #2**

**APPLICATION:**

Sanding crown assembly carbon fiber panels at tier one contractor

**MACHINE:**

6" pneumatic orbital sander

**NORTON PRODUCT**

6" Norton Dry Ice A975 No-Fil ceramic alumina paper discs

**COMPETITIVE PRODUCT:**

6" C-weight, aluminum oxide paper discs

**RESULTS:**

Norton disc consumption equaled 2.5X life: 50 discs/panel vs. 125 discs/panel with incumbent competitive discs, resulting in a \$20,564 annual cost savings for this operation. Norton discs also sanded the panels with less time and operator effort.

**MATERIALS:** Aluminum and Aluminum Alloys | **APPLICATIONS:** Wing and Airframe Heavy and Intermediate Deburring and Finishing

**Heavy Deburring:** Norton Bear-TEX Rapid Blend Vortex A/O  
Perform the medium to fine grit steps of traditional discs in one easy step – with no smearing. New top, bottom, and side abrasive distribution allows use of all the sides, extending life by 3 - 8 times vs. competitive one-layered discs.

**Quick-Change Non-Woven Discs**



TIER: **BETTER**  
 BRAND: Norton  
 TRADENAME: Rapid Blend Vortex  
 ABRASIVE: Premium A/O  
 ATTACHMENT: TR (Type III)



ABR. SIZE (D x T)	GRIT	DENSITY	MAX. RPM	STD. PKG.	PART #
<b>1" x 1/4"</b>					
A/O	M	1	35,100	100	66254497806
<b>1-1/2" x 1/4"</b>					
A/O	M	1	35,100	80	66254497807
<b>2" x 1/8"</b>					
A/O	M	4-6	22,000	60	66254425632
A/O	M	7-9	22,000	60	66254433509
<b>2" x 3/16"</b>					
A/O	M	2-3	22,000	60	66254428236
<b>2" x 1/4"</b>					
A/O	M	1	12,100	25	66254497067
A/O	M	2-3	22,000	60	66254428237
A/O	M	4-6	22,000	60	66254413660
A/O	M	7-9	22,000	60	66254433510
<b>3" x 1/8"</b>					
A/O	M	4-6	15,000	40	66261093556
A/O	M	7-9	15,000	40	66261090909
<b>3" x 3/16"</b>					
A/O	M	7-9	15,000	40	66254428239
<b>3" x 1/4"</b>					
A/O	M	1	12,100	25	66254497068
A/O	M	2-3	15,000	40	66254428238
A/O	M	4-6	15,000	40	66254413661
A/O	M	7-9	15,000	40	66254406395



**Edge Break and Heavy Deburring:**  
 Norton Bear-TEX Rapid Blend Vortex and NEX Aluminum Oxide  
 These versatile aluminum oxide wheels work efficiently on aluminum, titanium, and stainless steel.

**Unified Wheels ("Cobs")**

TIER: **BETTER** | **GOOD**  
 BRAND: Norton | Norton  
 TRADENAME: Rapid Blend Vortex | Rapid Blend NEX

ABRASIVE SIZE (D X T X H)	GRIT	STD. PKG.	DENSITY	PART #	DENSITY	PART #
<b>1" x 1" x 1/4"</b>						
Premium A/O	Medium	50	7	66254407151*	6	77696003294*
<b>2" x 1" x 1/4"</b>						
A/O	Medium	50	9	66623397685*	8	77696003296*

\* These 4 products are made-to-order. Please allow appropriate lead-time for receipt when ordering.

**Intermediate Deburring and Finishing:**  
 Norton Bear-TEX Rapid Prep Vortex and Aluminum Oxide  
 Proprietary Norton Vortex aluminum oxide aggregate grain maximizes cutting speed; versatile Norton aluminum oxide grain generates uniform cut rate throughout life.

Norton Clean Bond technology ensures smear-free surfaces even on high nickel content alloys; will not load on aluminum and soft metals as competitive products can. Thicker, deeper coating method results in the consistent finish of finer grits in one easy step and longer life.

**Quick Change Non-Woven Discs**



TIER: **BETTER** | **BETTER** | **GOOD** | **GOOD**  
 BRAND: Norton | Norton | Norton | Norton  
 TRADENAME: Rapid Blend Vortex | Rapid Blend Vortex | Rapid Prep A/O | Rapid Prep A/O  
 ABRASIVE: Premium A/O | Premium A/O | Aluminum Oxide | Aluminum Oxide  
 ATTACHMENT: TR (Type III) | TS (Type II) | TR (Type III) | TS (Type II)



SIZE (DIAM.)	STD. PKG.	PART #	PART #	PART #	PART #
<b>Extra Coarse</b>					
3/4"	50	66623325001	66623335324	66623340002	66261022401
1"	50	66623325004	66623325003	66623340007	66623340006
1-1/2"	50	66623325007	66623325006	66623340011	66623340010
2"	50	66623335326	66623335325	66261016373	66261017819
3"	25	66623335327	66623325010	66261016994	66261017818
4"	25	66623335329	66623335328	66261016374	66623310706
<b>Coarse</b>					
3/4"	50	66623325013	66623335410	66623340021	66261095015
1"	50	66623325015	66623335537	66623340023	66261024310
1-1/2"	50	66623335411	66623325017	66261047579	66623340026
2"	50	66623335414	66623335413	66261009191*	66261009183
3"	25	66623335417	66623335416	66261009194	66261009186
4"	25	66623335419	66623335418	66261008822	66261055349
<b>Medium</b>					
3/4"	50	66623325020	66623335420	66623340032	66254428059
1"	50	66623335422	66623335421	66254482331	66254482327
1-1/2"	50	66623335424	66623335423	66254482332	66254482328
2"	50	66623335427	66623335426	66261009190*	66261009182
3"	25	66623335430	66623335429	66261017522	66261009185
4"	25	66623335432	66623335431	66261008821	66261055350
<b>Fine</b>					
3/4"	50	66623325026	66623325025	66623340058	66623340056
1"	50	66623325029	66623325028	66623340064	66623340062
1-1/2"	50	66623325032	66623325031	66623340070	66623340068
2"	50	66623325035	66623325034	66623340077	66623340074
3"	25	66623325038	66623325037	66623340085	66623340082
4"	25	66623325041	66623325040	66623340092	66623340090
<b>Very Fine</b>					
3/4"	50	66623325044	66623325043	66623340044	66623340042
1"	50	66623325047	66623325046	66254482339	66254482335
1-1/2"	50	66623325050	66623325049	66254482340	66254482336
2"	50	66623335433	66623325052	66261009189*	66254482337
3"	25	66623335437	66623335436	66261009192	66261009184
4"	25	66623325056	66623325055	66623340053	66623340052

\*Packaging Standards = 25 discs per standard package.

**MATERIALS:** Aluminum and Aluminum Alloys | **APPLICATIONS:** Wing and Airframe Intermediate Deburring and Finishing

**Intermediate Deburring and Finishing:  
Norton Bear-TEX Rapid Prep Vortex Premium A/O**

Proprietary Norton Vortex aluminum oxide aggregate grain maximizes cutting speed. Norton Clean Bond technology and thicker, deeper coating method result in the consistent finish of finer grits in one easy step, and longer life – with no loading or smearing.

Improved hook and loop backing creates flatter-sitting discs that will not fly off sanders (which some competitive discs are prone to do), and more consistent finishes.

**Hook and Loop Non-Woven Discs**



TIER: **BETTER**  
BRAND: Norton  
TRADENAME: Rapid Prep Vortex  
ABRASIVE: Premium Aluminum Oxide

SIZE (DIAMETER)	STD. PKG.	PART #
<b>Coarse</b>		
1-1/2"	50	66623325057
2"	50	66623334882
3"	25	66623334883
4"	25	66623334884
4-1/2"	25	66623334943
5"	25	66623334945
6"	25	66623334949
7"	25	66623334951
8"	25	66623334953
<b>Medium</b>		
1-1/2"	50	66623325059
2"	50	66623334958
3"	25	66623334956
4"	25	66623334959
4-1/2"	25	66623334961
5"	25	66623334962
6"	25	66623334964
7"	25	66623334965
8"	25	66623334966
<b>Fine</b>		
1-1/2"	50	66623325058
2"	50	66623333604
3"	25	66623333605
4"	25	66623333606
4-1/2"	25	66623333607
5"	25	66623333609
6"	25	66623333610
7"	25	66623334955
8"	25	66623333611
<b>Very Fine</b>		
1-1/2"	50	66623325060
2"	50	66623333613
3"	25	66623333614
4"	25	66623334967
4-1/2"	25	66623333615
5"	25	66623333617
6"	25	66623334968
7"	25	66623334969
8"	25	66623333619

**Intermediate Deburring and Finishing:  
Norton Bear-TEX Rapid Prep Aluminum Oxide**

Versatile Norton aluminum oxide grain generates uniform cut rate throughout life. Norton Clean Bond technology ensures smear-free surfaces even on high nickel content alloys; will not load on aluminum and soft metals as competitive products can. Thicker, deeper coating method results in the consistent finish of finer grits in one easy step and longer life.

**Non-Woven File Belts**



TIER: **GOOD**  
BRAND: Norton  
TRADENAME: Rapid Prep A/O  
ABRASIVE: Aluminum Oxide

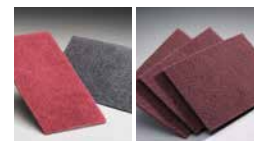
WIDTH	LENGTH	STD. PKG.	PART #
<b>Coarse</b>			
1/2"	12"	24	66261003177
1/2"	18"	24	66261055309
1/2"	24"	24	66261055312
<b>Medium</b>			
1/2"	12"	24	66261006465
1/2"	18"	24	66261055310
1/2"	24"	24	66261008972
<b>Fine</b>			
1/2"	12"	24	66623318175
1/2"	18"	24	66623333426
1/2"	24"	24	66254490859
<b>Very Fine</b>			
1/2"	12"	24	66254499884
1/2"	18"	24	66261055311
1/2"	24"	24	66261019876

**Intermediate Deburring and Finishing:  
Norton Bear-TEX Thin Flex and General Purpose Plus 747**

Thin Flex: maximum flexibility for consistent finishes; designed for deburring, cleaning, blending, and finishing.

General Purpose Plus 747: designed for deburring, light cleaning, and finishing.

**Non-Woven Hand Pads**



COLOR	DESCRIPTION	MATERIAL	GRIT	STD. PKG.	TIER: <b>BEST</b> PART #	<b>BETTER</b> PART #
<b>4-1/2" x 9"</b>						
Maroon	Thin Flex Cleaning	A/O	VF	25	66623398062	–
Gray	Thin Flex Cleaning	S/C	UF	25	66623398063	–
<b>6" x 9"</b>						
Maroon	747 General Purpose Plus	A/O	VF	60	–	66261074700

**NORTON**

SAINT-GOBAIN

## AEROSPACE COMMERCIAL FINISHING ABRASIVE PRODUCT GUIDE

### CASE STUDIES

#### Case Study #1

**APPLICATION:** Deburring and finishing aluminum hinge and latch beams

**MACHINE:** Right angle grinder

**NORTON PRODUCT:** 9/16" – 3" Norton Blaze R980P ceramic alumina quick-change cloth discs

**COMPETITIVE PRODUCTS:** Aluminum oxide sanding cloth discs and carbide burrs

**RESULTS:** The Norton ceramic discs decreased cycle time from 15 to 11 seconds per part and reduced the cost to remove cu in. material from \$0.33 to \$0.24. This resulted in over \$700k annual cost savings in this eight-step operation.

#### Case Study #2

**APPLICATION:** Blending mismatch and corner break on aluminum spars

**MACHINE:** Right angle grinder

**NORTON PRODUCTS:** 7" Norton Rapid Prep Vortex CRS and Fine grit, and Rapid Prep A/O Medium grit non-woven surface conditioning discs

**COMPETITIVE PRODUCT:** 7" Medium grit aluminum oxide non-woven surface conditioning discs

**RESULTS:** Norton discs resulted in \$31k annual abrasive cost savings with longer product life and will be used for numerous other applications



TO MAXIMIZE PRODUCTIVITY, CHOOSE A DYNABRADE TOOL  
TO MATCH THE ABRASIVE PRODUCT BEING USED

Right Angle Sander for 7" diameters  
(52563)



Right Angle Sander for 2"– 5" diameters  
(52561)



Right Angle Die Grinder 12,000 RPMs  
(54343)



Right Angle Die Grinder 18,000 RPMs  
(54359)



Straight-Line Die Grinder 20,000 RPMs  
(51306)



Dynaflex II – Low Profile Version (40353)



Random Orbital 5" Sander Silver Supreme  
3/16" Orbit (69005)



Random Orbital 6" Sander Silver Supreme  
3/16" Orbit (69010)



### TECH TIP

To optimize the performance of these abrasives and your finished components, ask your Norton representative for the coordinating back-up pads, interface pads, mandrels, etc.



NO-RISK TEST



Discover other abrasives, grinding and sanding on our website.