



CATEGORY DEFINITION

A wide selection of sizes and grits for most dimensioning, intermediate grinding and polishing applications.

APPLICATIONS: Benchstand and Backstand Belts: grinding and deburring of all metals, heavy stock removal, blending, dimensioning and shaping, polishing.

Centerless, Conveyor and Platen Belts: intermediate grinding stainless and carbon, moderate-pressure applications, dimensioning and finishing.

SIZE RANGE: 1" to 10" wide, 36" to 132" long

GRIT RANGE: 36 – 320

ABRASIVE GRAIN: Ceramic Alumina, Zirconia Alumina, Aluminum Oxide

CROSS REFERENCE GUIDE

	BEST Blaze R980P	BEST SG R981	BETTER BlueFire R887P	BETTER BlueFire R821P	BETTER BlueFire R823P	BETTER BlueFire R884P	GOOD Metalite R228
NORTON 3M	987F1, 977F, 777F, 967F, 963G, 963H	987F1, 977F, 777F, 967F, 963G, 963H	577F, 567G, 777F 977F	561D	561F Y, 551E XE 741A, 741E, 761D	561D, 561F, 563F 741A, 741E, 761D 761F	240DZ OPK, 270DZ OPK, 241D, 248D, 251D, 341I Imperial, 351D
Hermes	CR456	CR456	RB486X, RB486Y RB426-23MX	–	RB486 X, RB346-23MX, RB426-23MX, RB484TY RB486XF	RB484TY, RB486Y, RB346-23MX, RB426-23MX, RB480-21MX, CB440Y, RB486XY	RB3160P RB317LX RB346MX
Klingspor	CS612YY, CS610YY	CS612YY, CS610YY	CS409Y	CS411Y	CS411X	CS411Y	CS311X, CS310, CS410
SIA	–	–	–	–	–	2800, 2803, 2929	2903X0, 2905X, 2920X
VSM	SK840X, SK750X	SK840X, SK750X	KK815Y, ZK744X	–	KK715X	KK716Y, ZK713X	KK511X, KK711

MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE

	BEST Highest Productivity. Lowest Total Cost.	BETTER Excellent Blend of Performance & Price.	GOOD Consistent Performance. Low Initial Price.
Aluminum	–	Norton BlueFire R884P/R823P	Norton Metalite R228
Cast Iron	Norton Blaze R980P	Norton BlueFire R884P/R823P	Norton Metalite R228
Brass / Bronze	–	Norton BlueFire R884P/R823P	Norton Metalite R228
Die Castings	Norton Blaze R980P	Norton BlueFire R884P/R823P	Norton Metalite R228
Carbon Steel	Norton Blaze R980P	Norton BlueFire R884P/R823P	Norton Metalite R228
Glass / Ceramics	Norton Blaze R980P	Norton BlueFire R821P	Norton Durite R480
Stainless Steel and Alloys	Norton Blaze R980P	Norton BlueFire R884P/R823P Norton BlueFire R887P	Norton Metalite R228
Wood	–	Norton BlueFire R831	Norton Metalite R215

GRIT SELECTION RECOMMENDATION GUIDE

STOCK REMOVAL	INTERMEDIATE	FINISHING
36 – 50 grit	60 – 100 grit	120 – 320 grit



FEATURED PRODUCTS



NORTON BLAZE R980P

BEST FOR MILD AND CARBON STEEL, STAINLESS, COBALT, CHROME, INCONEL, TITANIUM

FEATURES

- Next-generation cooler cutting SG ceramic abrasive grain
- Y-wt polyester waterproof cloth backing
- Improved resin bond system
- Advanced “supersize” grinding lubricant

BENEFITS

- Lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, Inconel and titanium
- Cuts 20% faster than the current generation of grinding belts
- Longer belt life
- Better metal integrity
- Greater productivity; lowest total grinding costs
- Edge-fray resistance
- Improved body retention during use for more consistent grinding throughout belt life
- Significantly improved belt life due to better grain adhesion
- Cooler cutting during the life of the belt
- Improved part finish and integrity



NORTON SG R981

EXCEPTIONAL PERFORMANCE, ESPECIALLY ON HARD-TO-GRIND ALLOYS

FEATURES

- Norton SG ceramic abrasive
- Grinding-aid enhanced
- Strong Y-wt polyester, waterproof cloth backing

BENEFITS

- Exceptional life and value, especially on hard-to-grind alloys
- Longer life, cooler cut
- Improved grain adhesion, reduced edge-fray and better body retention, result in longer life and product consistency



IMPROVED

NORTON BLUEFIRE R884P/R823P

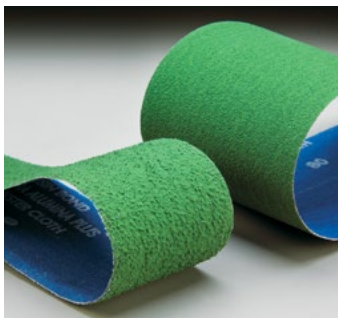
BETTER CHOICE FOR HEAVIEST-PRESSURE APPLICATIONS

FEATURES

- Premium self-sharpening zirconia alumina abrasive
- R884P – Durable Y-wt polyester, waterproof cloth backing
- R823P – Strong X-wt polyester backing; waterproof

BENEFITS

- Aggressive, rapid cut rate
- Excellent grain adhesion, reduced edge-fray and better body retention, result in longer life and product consistency
- More flexible than R884P
- Available in finer grit sizes



NORTON NEON R766

THE BETTER CHOICE FOR DIFFICULT-TO-GRIND MATERIALS (ALUMINUM, BRASS, BRONZE, STAINLESS, CARBON STEEL, TITANIUM, ETC.)

FEATURES

- Premium abrasive and aluminum oxide blend
- New resin bond system
- Y-wt. waterproof cotton backing

BENEFITS

- Ideal when purchasing criteria is a good-performing, economically priced, general purpose belt
- Improved edge retention and 30% + improvement in life vs. key competitors
- Withstands light- to moderately-demanding applications
- Extended life on dry grinding applications

TECHtip

TROUBLESHOOTING GUIDE

PROBLEM

CORRECTION

Loading

Decrease infeed pressure or belt speed

Shedding

Reduce applied pressure
Use a less aggressive contact wheel
Dress contact wheel if worn or damaged
Use entire surface of belt

Belt breakage

Reduce belt tension
Use less aggressive contact wheel
Check tracking mechanism for belts tracking erratically



1" to 6" wide, 36" to 72" long

AVAILABILITY



TIER:	BEST	BETTER	BETTER	GOOD	GOOD
BRAND:	Norton	Norton	Norton	Norton	Norton
TRADENAME:	BLAZE R980P	BLUEFIRE R821P	BLUEFIRE R823P	NEON R766	METALITE R228
ABRASIVE:	Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Premium A/O Blend	Aluminum Oxide
BACKING:	Y-wt. Polyester	Y-wt. Cotton	X-wt. Polyester	Y-wt. Polyester	X-wt. Cotton






SIZE (W x L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.		
1 x 42	36	50/200	66254476825	78072726905	78072728596	66623390041	78072791710		
	40		69957345887				78072720910		
	50		66254476826				78072726904	66623390042	78072720905
	60		69957345486				78072726903	66623334502	78072720900
	80		66261041539				78072726902	66623390043	78072720895
	100		66261043462				78072728592	78072720890	
	120		66261038660				78072728590	78072720885	
	150						78072728588	78072720880	
	180						78072728586	78072720875	
	220							78072720871	
	240							78072720870	
	320							78072720865	
	1-1/2 x 60		36				10/50	69957345578	78072726991
40		63642595003	78072726990	66623390045					
50		69957345664	78072726984	66623390046	78072721040				
60		69957345631			69957351736				
80		69957345579							
100									
120		66261056493							
180									
220				78072708871	78072756615				
320									
2 x 48	24	10/50		78072727103	78072728621	66623390047	78072726130		
	36		63642592057				78072721255		
	40		69957345193				78072721250		
	50		69957346716				78072721245		
	60		69957344423				78072721240		
	80		69957345100				78072721235		
	100		66261052522				78072721230		
	120		66261052520				78072721225		
	150						78072728615	78072721225	
	180						78072728613	78072723246	
	220						78072728611	78072721223	
	320						78072728609	78072763677	
	2 x 60		24				10/50		78072727124
36		69957345196	78072701170						
40		69957394425	78072721300						
50		69957346149	78072762537						
60		69957344901	78072721290						
80		63642592574	78072721285						
100		66261052222	78072721280						
120		66261042738	78072721275						
150			78072744018						
180			78072720441						
220			78072706282	78072744020					
240				78072761862					
320				78072702825					
2 x 72	24	10/50	66254433969	78072727147	78072728645	66623390057	78072721335		
	36		69957345460				78072721332		
	40		69957346729				78072784894		
	50		69957344966				78072721325		
	60		69957345157				78072721320		
	80		69957344961				78072723235		
	100		66261041897				78072721318		
	120		66261044095				78072761973		
	150						78072761973		
	180						78072763853	78072718488	
	220						78072728633	78072765601	
	320							78072721308	

CONTINUED...



1" to 6" wide, 36" to 72" long CONTINUED

AVAILABILITY

								
			BEST	BETTER	BETTER	GOOD	GOOD	
TIER:			Norton					
BRAND:			Norton					
TRADENAME:			BLAZE R980P	BLUEFIRE R821P	BLUEFIRE R823P	NEON R766	METALITE R228	
ABRASIVE:			Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Premium A/O Blend	Aluminum Oxide	
BACKING:			Y-wt. Polyester	Y-wt. Cotton	X-wt. Polyester	Y-wt. Polyester	X-wt. Cotton	
SIZE (W x L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	
2-1/2 x 48	36	10/50				66623390061	78072721540	
	40					66623390062		
	50			78072727213		66623390063	78072721530	
	60					66623390064	78072721525	
	80					66623390065	78072721520	
2-1/2 x 60	24	10/50					78072708296	
	36		69957344963	78072727235		66623390066	78072721610	
	40		69957346523	78072727234		66623390067	78072721605	
	50		69957345300	78072727233		66623390068	78072721600	
	60		69957345002	78072727232	78072728692	66623390069	78072721595	
	80		69957346095	78072727231	78072728690	66623390070	78072721590	
	100		66261041380		78072728686		78072721585	
	120		66261041379				78072721580	
	150						78072710118	
	180					78072728682	78072721570	
	220					78072778217	78072721565	
4 x 36	36	10/50				66623390071	78072722110	
	40					66623390072	78072722105	
	50			78072727475		66623390073	78072722100	
	60			78072727474	78072728827	66623390074	78072722095	
	80			78072727473	78072728825	66623390075	78072722090	
	100				78072728823		78072722085	
	120				78072728821		78072722080	
	150						78072722079	
	180						78072722075	
	240						78072722926	
	320						78072722071	
4 x 54	36	10/50	69957346358			66623390076	78072722185	
	40		63642594113			66623390077	78072722180	
	50		66254469595			66623390078	78072722175	
	60		66261063419	78072727518	78072725116	66623390079	78072722170	
	80		69957345139		78072782996	66623390080	78072722165	
	100						78072722160	
	120		66261088705		78072728847		78072722155	
	150				78072789676		78072728381	
	180				66254475370		78072759243	
	220				78072762311		78072762536	
	4 x 60		24	10/50	66254461488			
36		69957345298					78072705189	
40		69957391732					78072744693	
50		69957346715					78072761630	
60		63642594485				78072774790	78072762861	
80		69957345099				78072765086	78072784685	
100							78072763161	
120		66254416188			78072766229		78072787840	
150					66254482609		78072704878	
180					78072709820		78072728393	
220					78072702594		78072790168	
6 x 48	36	10/20	69957345143	78072727698		66623390081	78072722590	
	40			78072727697		66623390082	78072722585	
	50			78072727696		66623390083	78072722580	
	60		20/20	69957344422	78072727695	78072728937	66623390084	
	80				78072727694	78072728935	66623390085	78072722570*
	100				78072728933	78072722565*		
	120				78072728931	78072722560*		
	150				78072770042	78072722555*		
	180					78072722550*		
	220					78072722546*		
	240					78072722545*		
320					78072722543*			

* MIN./STD. PKG. IS 10/50

CONTINUED...



1" to 6" wide, 36" to 72" long CONTINUED

AVAILABILITY

			BEST	BETTER	BETTER	GOOD	GOOD
<i>TIER:</i>							
<i>BRAND:</i>			Norton	Norton	Norton	Norton	Norton
<i>TRADENAME:</i>			BLAZE R980P	BLUEFIRE R821P	BLUEFIRE R823P	NEON R766	METALITE R228
<i>ABRASIVE:</i>			Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Premium A/O Blend	Aluminum Oxide
<i>BACKING:</i>			Y-wt. Polyester	Y-wt. Cotton	X-wt. Polyester	Y-wt. Polyester	X-wt. Cotton
SIZE (W x L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
6 x 60	36	10/20				66623343751	78072722680
	40			78072727762		66623390086	78072722679
	60	20/20	69957345149	78072728957		66623390087	78072722665
	80				78072728955	66623390088	78072722660
	100		66254477452				
	120						78072763882

Belt Cleaning Stick



- This solid, rubber cleaning stick is designed to remove wood and other non-metallic materials that build up on belt surface during use.
- Apply it to the face of the belt, while running, to remove unwanted materials and prolong the overall life of the belt up to 10 times.

DESCRIPTION	STD. PKG.	PART NO.
1-3/8 x 1-3/8 x 6	10	07660701717

TECH*tip*

A light bodied grease applied to a benchstand belt surface will reduce loading and greatly enhance the belt life and performance when grinding soft, malleable nonferrous materials such as aluminum, brass, bronze and copper.



2" to 10" wide, over 72" Long

AVAILABILITY



TIER:	BEST	BEST	BETTER	BETTER	GOOD	GOOD
BRAND:	Norton	Norton	Norton	Norton	Norton	Norton
TRADENAME:	BLAZE R980P	SG R981	BLUEFIRE R884P	BLUEFIRE R823P	NEON R766	METALITE R228
ABRASIVE:	Ceramic Alumina	Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Premium A/O Blend	Aluminum Oxide
BACKING:	Y-wt. Polyester	Y-wt. Polyester	Y-wt. Polyester	X-wt. Polyester	Y-wt. Polyester	X-wt. Cotton

SIZE (W x L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	
2 x 132	36	10/50		78072753086	78072750016	78072728662	66623347337		
	40			78072750015	66623390089				
	50			78072740771	66623390090				
	60			78072750011	66623390091		78072721445		
	80			78072750008	66623390092		78072721440		
	120								
3 x 132	24	25/50	69957344962	78072750140*	78072728794 78072728792 78072728790 78072728789 78072728785	66623390093	78072721900		
	36		69957344710	78072750138* RR			66623390094	78072721890	
	36			78072750139* L			66623390095	78072721885	
	40		69957344964	78072750135*			66623390097	78072721880	
	50		69957344763					78072721875	
	60		69957344958					78072721870	
	80		69957344764					78072721865	
	100							78072721860	
	120							78072721855	
	150								
	180								
	220								
4 x 132	24	10/50	69957343852	78072750289		66623326093	78072722385 78072722375		
	36			78072739662				78072750287	66623390098
	40								66623335394
	60							78072750281	66623343488
	80							78072750279	
	120								
8 x 107	36	10/20				66623390099	78072722795		
	50						66623390100	78072749887	
	60						20/20	66623347341	78072722780
	80						66623329182	78072722775	
	100								
10 x 70-1/2	36	5/10				66623347342	78072722840		
	40						66623347343	78072722835	
	50						66623347344	78072722830	
	60	10/10					66623347345	78072722825	
	80						66623347346	78072722820	

* MIN./STD. PKG. IS 10/50

FastTrack Belt Service

For non-stock belts, FastTrack Service Centers offer all the benefits of an ISO 9001 quality manufacturer and the advantages of a coated abrasives express belt service. As the industry's leading producer of abrasive material and backings, our FastTrack service offers an extensive range of Norton made-to-order belts including Norton SG ceramic alumina, NorZon zirconia alumina, and versatile aluminum oxide and silicon carbide belts.

Also available in FastTrack are a full line of Merit brand belts. Merit belts have been developed with one simple goal in mind: to provide you economically-priced ceramic alumina, zirconia alumina, and aluminum oxide belts to meet a wide range of applications.

Manufacturing lead-time is two days for narrow belts (1/2" - 12") and three days for wide belts =>14". Please see the FastTrack belt section for complete availability and lead-times.

