



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

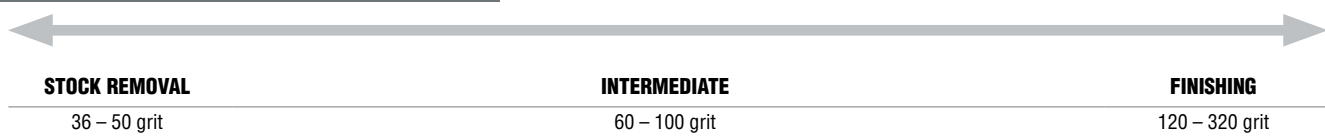
CROSS REFERENCE GUIDE

	BEST Blaze R980P	BEST Norton 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, 984F	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	2903XO, 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 Neon R766
Cast Iron	Norton Blaze R980P	Norton BlueFire R823P	Norton Neon R766
Brass / Bronze	–	Norton BlueFire R884P/R823P	Norton Neon R766
Die Castings	Norton Blaze R980P	Norton BlueFire R823P	Norton Neon R766
Carbon Steel	Norton Blaze R980P	Norton BlueFire R823P	Norton Neon R766
Glass / Ceramics	Norton Blaze R980P	Norton BlueFire R821P	Norton Neon R766
Stainless Steel and Alloys	Norton Blaze R980P	Norton BlueFire R823P/R887P	Norton Neon R766
Wood	–	Norton BlueFire R831/R884P	Norton Neon R766

GRIT SELECTION RECOMMENDATION GUIDE





FEATURED PRODUCTS



NORTON BLAZE R980P

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

FEATURES

- Cooler cutting Norton SG ceramic abrasive grain
- Y-weight polyester waterproof cloth backing
- Durable resin bond system
- Advanced “supersize” grinding lubricant

BENEFITS

- Lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, Inconel and titanium versus aluminum oxide belts
- 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
- Excellent 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-weight 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



EXPANDED OFFERING

NORTON BLUEFIRE R884P/R823P

BETTER CHOICE FOR HEAVIEST-PRESSURE APPLICATIONS

FEATURES

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

BENEFITS

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

TECHtip

TROUBLESHOOTING GUIDE

PROBLEM

Loading

Shedding

Belt breakage

CORRECTION

Decrease infeed pressure or belt speed

Reduce applied pressure

Use a less aggressive contact wheel

Dress contact wheel if worn or damaged

Use entire surface of belt

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	STD. PKG.	PART #	PART #	PART #	PART #	PART #
1 x 42	36	50	66254476825				78072791710
	40	50	69957345887	78072726905		66623390041	78072720910
	50	50	66254476826	78072726904		66623390042	78072720905
	60	50	69957345486	78072726903	78072728596	66623334502	78072720900
	80	50	66261041539	78072726902	78072728594	66623390043	78072720895
	100	50	66261043462		78072728592		78072720890
	120	50	66261038660		78072728590		78072720885
	150	50			78072728588		78072720880
	180	50			78072728586		78072720875
	220	50			78072700001		78072720871
	240	50					78072720870
	320	50					78072720865
	1-1/2 x 60	36	10	69957345578			
40		10	63642595003				
50		10	69957345664			66623390044	78072787807
60		10	69957345631			66623390045	
80		10	69957345579			66623390046	
100		10			78072765077		69957351736
120		10	66261056493		78072726984		
180		10			78072758464		
220		10			78072708871		78072756615
2 x 48	24	10					78072726130
	36	10	63642592057	78072727103		66623390047	78072721255
	40	10	69957345193	78072727102		66623390048	78072721250
	50	10	69957346716	78072727101		66623390049	78072721245
	60	10	69957344423	78072727100	78072728621	66623390050	78072721240
	80	10	69957345100	78072727099	78072728619	66623390051	78072721235
	100	10	66261052522		78072728617		78072721230
	120	10	66261052520		78072728615		78072721225
	150	10			78072728613		78072723246
	180	10			78072728611		78072721223
	220	10			78072728609		78072763677
	320	10					78072746387
	2 x 60	24	10				
36		10	69957345196			66623390052	78072701170
40		10	69957394425	78072727124		66623390053	78072721300
50		10	69957346149			66623390054	78072762537
60		10	69957344901	78072727122		66623390055	78072721290
80		10	63642592574	78072727121		66623390056	78072721285
100		10	66261052222		66261082976		78072721280
120		10	66261042738		78072761958		
150		10					78072744018
180		10			78072702695		78072720441
220		10			78072706282		78072744020
240		10					78072761862
320		10					78072702825
2 x 72	24	10	66254433969				78072721335
	36	10	69957345460	78072727147		66623390057	78072721332
	40	10	69957346729	78072727146		66623390058	78072784894
	50	10	69957344966	78072727145		66623390059	78072721325
	60	10	69957345157	78072727144	78072728645	66623390060	78072721320
	80	10	69957344961	78072727142	78072728643	66623334237	78072723235
	100	10	66261041897		66261025537		78072721318
	120	10	66261044095		78072728639		78072761973
	150	10			78072761770		78072718488
	180	10			78072763853		78072765601
	220	10			78072728633		78072721308
	320	10					

CONTINUED...



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

AVAILABILITY



TIER:	BEST	BETTER	BETTER	BETTER	GOOD	GOOD
BRAND:	Norton	Norton	Norton	Norton	Norton	Norton
TRADENAME:	BLAZE R980P	BLUEFIRE R821P	BLUEFIRE R823P	BLUEFIRE R884P	NEON R766	METALITE R228
ABRASIVE:	Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Zirconia Alumina	Premium A/O Blend	Aluminum Oxide
BACKING:	Y-wt. Polyester	Y-wt. Cotton	X-wt. Polyester	Y-wt. Polyester	Y-wt. Polyester	X-wt. Cotton

SIZE (W x L)	GRIT	STD. PKG.	PART #	PART #	PART #	PART #	PART #	PART #
2-1/2 x 48	36	10						66623390061
	40	10						66623390062
	50	10						66623390063
	60	10						66623390064
	80	10						66623390065
2-1/2 x 60	24	10				78072737759		78072708296
	36	10	69957344963	78072727235				78072721610
	40	10	69957346523	78072727234				78072721605
	50	10	69957345300	78072727233				78072721600
	60	10	69957345002	78072727232	78072728692		78072721383	78072721595
	80	10	69957346095	78072727231	78072728690			78072721590
	100	10			78072768991			78072721585
	120	10	66261041380		78072728686			78072721580
	150	10						78072710118
	180	10			78072728682			78072721570
220	10			78072778217			78072721565	
4 x 36	36	10						66623390071
	40	10						66623390072
	50	10						66623390073
	60	10						66623390074
	80	10			78072728827			66623390075
	100	10			78072728825			
	120	10			78072728823			
	150	10			78072728821			
	180	10						
	240	10						
4 x 54	36	10	69957346358					66623390076
	40	10	63642594113					66623390077
	50	10	66254469595					66623390078
	60	10	66261063419	78072727518	78072725116			66623390079
	80	10	69957345139		78072782996			66623390080
	100	10						
	120	10	66261088705		78072728847			
	150	10						
	180	10						
	220	10						
4 x 60	24	10	66254461488					
	36	10	69957345298				78072737955	78072772342
	40	10	69957391732					78072705189
	50	10	69957346715					78072744693
	60	10	63642594485			78072774790		78072761630
	80	10	69957345099			78072765086		78072762861
	100	10						78072784685
	120	10	66254416188			78072766229		78072763161
	150	10						78072787840
	180	10						78072704878
220	10				78072709820		78072728393	
4 x 72	36	10					78072725984	78072790168
	6 x 48	36	10	69957345143	78072727698			66623390081
6 x 48	40	10						66623390082
	50	10						66623390083
	60	10	69957344422	78072727697				66623390084
	80	10		78072727696				66623390085
	100	10		78072727695*	78072728937*			
	120	10		78072727694*	78072728935*			
	150	10			78072728933*			
	180	10			78072728931*			
	220	10			78072770042			
	240	10						
	320	10						

* STD. PKG. = 20 BELTS

CONTINUED...



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

AVAILABILITY



TIER:	BEST	BETTER	BETTER	BETTER	GOOD	GOOD
BRAND:	Norton	Norton	Norton	Norton	Norton	Norton
TRADENAME:	BLAZE R980P	BLUEFIRE R821P	BLUEFIRE R823P	BLUEFIRE R884P	NEON R766	METALITE R228
ABRASIVE:	Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Zirconia Alumina	Premium A/O Blend	Aluminum Oxide
BACKING:	Y-wt. Polyester	Y-wt. Cotton	X-wt. Polyester	Y-wt. Polyester	Y-wt. Polyester	X-wt. Cotton

SIZE (W x L)	GRIT	STD. PKG.	PART #	PART #	PART #	PART #	PART #	PART #
6 x 54	60	10				78072746982		
6 x 60	36	10					66623343751	78072722680
	40	10		78072727762			66623390086	78072722679
	60	10	69957345149	78072728957*			66623390087	78072722665*
	80	10			78072728955		66623390088	78072722660*
	100	10	66254477452					
	120	10						78072763882

* STD. PKG. = 20 BELTS

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 #
1-3/8 x 1-3/8 x 6	10	07660701717

TECHtip

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.

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, BlueFire zirconia alumina, and versatile aluminum oxide and silicon carbide belts.

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



2" to 10" wide, over 70" 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	STD. PKG.	PART #	PART #	PART #	PART #	PART #	PART #
2 x 132	36	10		78072753086	78072750016		66623347337•	
	40	10			78072750015		66623390089•	
	50	10		78072740771	78072750013		66623390090•	
	60	10			78072750011		66623390091‡	78072721445
	80	10		78072701958	78072750008		66623390092‡	78072721440
	120	10				78072728662		
3 x 79	50	10	66261090276		78072748280			
	60	10			78072731833			
3 x 90	24	10						
	36	10	69957346319					78072785831
3 x 132	24	10	69957344962•		78072750140			
	36	10	69957344710•	78072753087	78072750138 RR		66623390093	78072721900
	36	10			78072750139 L			
	40	10	69957344964•	78072701614			66623390094•	
	50	10	69957344763•	78072703709	78072750135		66623390095•	78072721890
	60	10	69957344958‡			78072728794	66623390096‡	78072721885
	80	10	69957344764‡			78072728792	66623390097‡	78072721880
	100	10				78072728790		
	120	10				78072728789		78072721870
	150	10						78072721865
4 x 79	36	10		66261022622				78072721860
	40	10			78072774955			
4 x 100	80	10			78072731327			
	36	10			78072768679			
4 x 132	24	10			78072750289			
	36	10	69957343852•	78072739662	78072750287		66623326093	
	40	10					66623390098	
	60	10			78072750281		66623335394‡	
	80	10			78072750279		66623343488‡	78072722385
	120	10						78072722375
6 x 78-3/4	40	10			78072725150			
6 x 79	36	10			78072738105			
	40	10			78072760469			
	80	10			78072779322			
8 x 107	36	10					66623390099	78072722795
	50	10					66623390100	78072749887
	60	10					66623347341	78072722780*
	80	10					66623329182	78072722775*
	100	10						
10 x 70-1/2	36	10					66623347342	78072722840
	40	10					66623347343	78072722835
	50	10					66623347344	78072722830
	60	10					66623347345	78072722825
	80	10					66623347346	78072722820

* STD. PKG. = 20 BELTS
 • STD. PKG. = 25 BELTS
 ‡ STD. PKG. = 50 BELTS