



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

200+ NEW STOCK ADDITIONS!

CROSS REFERENCE GUIDE

<i>NORTON</i>	BEST NORTON SG R980P	BEST NORTON SG R981	BETTER NORZON R801	BETTER NORZON R821	BETTER NORZON R823	BETTER NORZON R824	GOOD METALITE R228
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	–	NorZon R824/R823	Metalite R228
Cast Iron	Norton SG Blaze R980P	NorZon R824/R823	Metalite R228
Brass / Bronze	–	NorZon R824/R823	Metalite R228
Die Castings	Norton SG Blaze R980P	NorZon R824/R823	Metalite R228
Carbon Steel	Norton SG Blaze R980P	NorZon R824/R823	Metalite R228
Glass / Ceramics	Norton SG Blaze R980P	NorZon R821	Durite R480
Stainless Steel and Alloys	Norton SG Blaze R980P	NorZon R824/R823 NorZon R801	Metalite R228
Wood	–	NorZon R811	Metalite R215

GRIT SELECTION RECOMMENDATION GUIDE





FEATURED PRODUCTS



NEW

NORTON SG 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-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



NORZON R821

THE BETTER CHOICE FOR NONFERROUS METALS, GLASS, AND CERAMICS

FEATURES

- Premium self-sharpening zirconia alumina abrasive
- Durable grain coating
- Y-weight cotton backing

BENEFITS

- Aggressive, rapid cut rate
- Excellent grain adhesion: longer life
- Extended life on dry grinding applications



NORZON R824/R823

BETTER CHOICE FOR HEAVIEST-PRESSURE APPLICATIONS

FEATURES

- Premium self-sharpening zirconia alumina abrasive
- R824 – Durable Y-weight polyester, waterproof cloth backing
- R823 – 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 R824
- Available in finer grit sizes

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



Benchstand Belts – 1" to 6" wide, 36" to 72" long

AVAILABILITY





						
			BEST	BETTER	BETTER	GOOD
TIER:			Norton	Norton	Norton	Norton
BRAND:			SG BLAZE R980P	NORZON R821	NORZON R823	METALITE R228
TRADENAME:			Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Aluminum Oxide
ABRASIVE:			Y-wt. Polyester	Y-wt. Cotton	X-wt. Polyester	X-wt. Cotton
BACKING:						
SIZE (W X L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.
1 x 42	36	50/200	66254476825			78072791710
	40		69957345887	78072726905		78072720910
	50		66254476826	78072726904		78072720905
	60		69957345486	78072726903	78072728596	78072720900
	80		66261041539	78072726902	78072728594	78072720895
	100		66261043462		78072728592	78072720890
	120		66261038660		78072728590	78072720885
	150				78072728588	78072720880
	180				78072728586	78072720875
	220				78072700001	78072720871
	240					78072720870
	320					78072720865
1-1/2 x 60	36	10/50	69957345578			78072721060
	40		63642595003			78072721055
	50		69957345664	78072726991		78072787807
	60		69957345631	78072726990		78072721045
	80		69957345579		78072726988	78072721040
	100				78072765077	69957351736
	120		66261056493		78072726984	78072721030
	180				78072758464	78072722855
	220				78072708871	78072756615
	240					
2 x 48	24	10/50		78072727103		78072726130
	36		63642592057	78072727102		78072721255
	40		69957345193	78072727101		78072721250
	50		69957346716	78072727100	78072728621	78072721245
	60		69957344423	78072727099	78072728619	78072721240
	80		69957345100		78072728617	78072721235
	100		66261052522		78072728615	78072721230
	120		66261052520		78072728613	78072721225
	150				78072728611	78072723246
	180				78072728609	78072721223
	220					78072763677
	240					78072746387
	320					
	2 x 60		24	10/50		
36		69957345196				78072701170
40		69957394425	78072727124			78072721300
50		69957346149				78072762537
60		69957344901	78072727122			78072721290
80		63642592574	78072727121			78072721285
100		66261052222			66261082976	78072721280
120		66261042738			78072761958	78072721275
150						78072744018
180					78072702695	78072720441
220					78072706282	78072744020
240						78072761862
240						78072702825
320						
2 x 72	24	10/50	66254433969			78072721335
	36		69957345460	78072727147		78072721332
	40		69957346729	78072727146		78072784894
	50		69957344966	78072727145		78072721325
	60		69957345157	78072727144	78072728645	78072721320
	80		69957344961	78072727142	78072728643	78072721315
	100		66261041897		66261025537	78072723235
	120		66261044095		78072728639	78072721318
	150				78072761770	78072761973
	180				78072763853	78072718488
	220				78072728633	78072765601
	240					78072721308
	320					

CONTINUED



Benchstand Belts – 1" to 6" wide, 36" to 72" long CONTINUED

AVAILABILITY

								
			BEST	BETTER	BETTER	GOOD		
TIER:			Norton	Norton	Norton	Norton		
BRAND:			SG BLAZE R980P	NORZON R821	NORZON R823	METALITE R228		
TRADENAME:			Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Aluminum Oxide		
ABRASIVE:			Y-wt. Polyester	Y-wt. Cotton	X-wt. Polyester	X-wt. Cotton		
BACKING:								
SIZE (W X L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.		
2-1/2 x 48	36	10/50		78072727213		78072721540		
	50					78072721530		
	60					78072721525		
	80					78072721520		
2-1/2 x 60	24	10/50	69957344963 69957346523 69957345300 69957345002 69957346095 66261041380 66261041379	78072727235 78072727234 78072727233 78072727232 78072727231	78072728692 78072728690 78072728686 78072728682 78072778217	78072708296		
	36					78072721610		
	40					78072721605		
	50					78072721600		
	60					78072721595		
	80					78072721590		
	100					78072721585		
	120					78072721580		
	150					78072710118		
	180					78072721570		
	220					78072721565		
	4 x 36					36	10/50	
40		78072722105						
50		78072722100						
60		78072722095						
80		78072722090						
100		78072722085						
120		78072722080						
150		78072722079						
180		78072722075						
240		78072722926						
320		78072722071						
4 x 54	36	10/50	69957346358 63642594113 66254469595 66261063419 69957345139	78072727518	78072725116 78072782996	78072722185		
	40					78072722180		
	50					78072722175		
	60					78072722170		
	80					78072722165		
	100					78072722160		
	120					78072722155		
	150					78072728381		
	180					78072759243		
220	78072762536							
4 x 60	24	10/50	66254461488 69957345298 69957391732 69957346715 63642594485 69957345099		78072774790 78072765086	78072772342		
	36					78072705189		
	40					78072744693		
	50					78072761630		
	60					78072762861		
	80					78072784685		
	100					78072763161		
	120					78072787840		
	150					78072704878		
	180					78072709820		
	220					78072790168		
6 x 48	36	10/20	69957345143	78072727698 78072727697 78072727696 78072727695 78072727694		78072722590		
	40					78072722585		
	50					78072722580		
	60					69957344422	78072728937 78072728935 78072728933 78072728931 78072770042	78072722570*
	80							78072722565*
	100							78072722560*
	120	78072722555*						
	150	78072722550*						
	180	78072722546*						
	220	78072722545*						
	240	78072722543*						
	320	78072722543*						

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

CONTINUED



Benchstand Belts – 1" to 6" wide, 36" to 72" long CONTINUED

AVAILABILITY

						
			BEST	BETTER	BETTER	GOOD
<i>TIER:</i>			Norton	Norton	Norton	Norton
<i>BRAND:</i>			SG BLAZE R980P	NORZON R821	NORZON R823	METALITE R228
<i>TRADENAME:</i>			Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Aluminum Oxide
<i>ABRASIVE:</i>			Y-wt. Polyester	Y-wt. Cotton	X-wt. Polyester	X-wt. Cotton
<i>BACKING:</i>						
SIZE (W X L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.
6 x 60	36	10/20		78072727762		78072722680
	40					78072722679
	60	20/20	69957345149		78072728957	78072722665
	80				78072728955	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

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.



Backstand Belts – Over 72" Long

AVAILABILITY



TIER:	BEST	BEST	BETTER	BETTER	GOOD
BRAND:	Norton	Norton	Norton	Norton	Norton
TRADENAME:	SG BLAZE R980P	SG R981	NORZON R824	NORZON R823	METALITE R228
ABRASIVE:	Ceramic Alumina	Ceramic Alumina	Zirconia Alumina	Zirconia Alumina	Aluminum Oxide
BACKING:	Y-wt. Polyester	Y-wt. Polyester	Y-wt. Polyester	X-wt. Polyester	X-wt. Cotton

SIZE (W X L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.			
2 x 132	36	10/50		78072753086	78072750016		78072721470			
	40				78072750015					
	50			78072740771	78072750013					
	60				78072750011			78072721445		
	80			78072701958	78072750008			78072721440		
	120				78072728662			78072721430		
3 x 132	24	25/50	69957344962	78072753087*	78072750140*		78072721900			
	36		69957344710		78072750138* RR					
	36				78072750139* L					
	40		69957344964		78072701614*			78072750135*		
	50		69957344763		78072703709*					
	60		69957344958						78072728794	78072721890
	80		69957344764						78072728792	78072721885
	100								78072728790	78072721875
	120								78072728789	78072721870
	150									78072721865
	180									78072721860
	220									78072721855
4 x 132	24	10/50	69957343852	78072739662	78072750289		78072722400			
	36				78072750287					
	40									
	60									
	80				78072750281			78072722385		
	120				78072750279			78072722375		
8 x 107	36	10/20					78072722795			
	50						78072749887			
	60						20/20	78072722780		
	80						78072722775			
	100						78072722773			
	10 x 70-1/2	36					5/10			
40		78072722835								
50		78072722830								
60		10/10	78072722825							
80			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.