



## 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

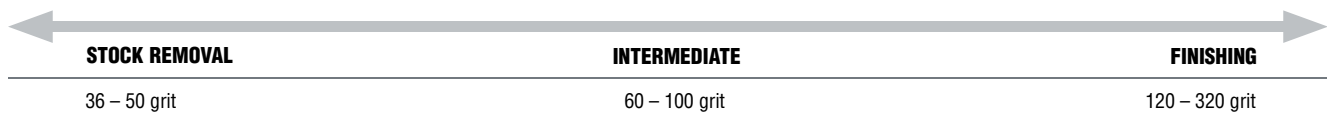
## CROSS REFERENCE GUIDE

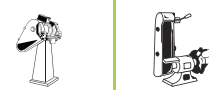
<b>NORTON</b>	<b>BEST NORTON SG R980P</b>	<b>BEST NORTON SG R981</b>	<b>BETTER NORZON R801</b>	<b>BETTER NORZON R821</b>	<b>BETTER NORZON R823</b>	<b>BETTER NORZON R824</b>	<b>GOOD METALITE R228</b>
3M	987F1, 977F, 777F, 967F, 963G, 963H	987F1, 977F, 777F, 967F, 963G, 963H	577F, 567G, 777F 977F	561D	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

	<b>BEST</b> HIGHEST PRODUCTIVITY LOWEST TOTAL COST	<b>BETTER</b> EXCELLENT BLEND OF PERFORMANCE & PRICE	<b>GOOD</b> CONSISTENT PERFORMANCE LOW INITIAL PRICE
<b>Aluminum</b>	–	NorZon R824/R823	Metalite R228
<b>Cast Iron</b>	Norton SG Blaze R980P	NorZon R824/R823	Metalite R228
<b>Brass / Bronze</b>	–	NorZon R824/R823	Metalite R228
<b>Die Castings</b>	Norton SG Blaze R980P	NorZon R824/R823	Metalite R228
<b>Carbon Steel</b>	Norton SG Blaze R980P	NorZon R824/R823	Metalite R228
<b>Glass / Ceramics</b>	Norton SG Blaze R980P	NorZon R821	Durite R480
<b>Stainless Steel and Alloys</b>	Norton SG Blaze R980P	NorZon R824/R823 NorZon R801	Metalite R228
<b>Wood</b>	–	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-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



**NORZON R821**

THE BETTER CHOICE FOR NONFERROUS METALS, GLASS, AND CERAMICS

**FEATURES**

- Premium self-sharpening zirconia alumina abrasive
- Durable grain coating
- Y-wt 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-wt polyester, waterproof cloth backing
- R823 – 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 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

TIER:	 <b>BETTER</b>	 <b>BETTER</b>	 <b>GOOD</b>
BRAND:	Norton	Norton	Norton
TRADENAME:	<b>NORZON R821</b>	<b>NORZON R823</b>	<b>METALITE R228</b>
ABRASIVE:	Zirconia Alumina	Zirconia Alumina	Aluminum Oxide
BACKING:	Y-wt. Cotton	X-wt. Polyester	X-wt. Cotton

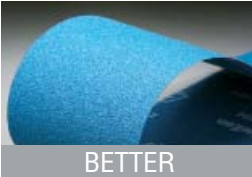


SIZE (W X L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	
1 x 42	40	50/200	78072726905		78072720910	
	50		78072726904		78072720905	
	60		78072726903		78072720900	
	80		78072726902		78072728596	
	100				78072728594	
	120				78072728592	
	150				78072728590	
	180				78072728586	
	220					
	240					
320						
1-1/2 x 60	50	10/50	78072726991			
	60		78072726990			
	80		78072726988			
2 x 48	36	10/50	78072727103		78072721255	
	40		78072727102		78072721250	
	50		78072727101		78072721245	
	60		78072727100		78072721240	
	80		78072727099		78072728621	
	100				78072728619	
	120				78072728617	
	180				78072728615	
	220				78072728611	
					78072728609	
2 x 60	40	10/50	78072727124		78072721300	
	60		78072727122		78072721290	
	80		78072727121		78072721285	
	100				78072721280	
	120				78072721275	
	320				78072702825	
2 x 72	36	10/50	78072727147		78072721335	
	40		78072727146			
	50		78072727145			
	60		78072727144			78072728645
	80		78072727142			78072728643
	100					78072728639
	120					
	220					
	320					
						78072728633
			78072721308			
2-1/2 x 48	36	10/50	78072727213		78072721540	
	40				78072721535	
	50				78072721530	
	60				78072721525	
	80				78072721520	
	120				78072721510	
2-1/2 x 60	36	10/50	78072727235		78072721610	
	40		78072727234		78072721605	
	50		78072727233		78072721600	
	60		78072727232		78072721595	
	80		78072727231		78072721590	
	100				78072721585	
	120				78072721580	
	180				78072721570	
	220				78072721565	

CONTINUED



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

AVAILABILITY

						
			BETTER	BETTER	GOOD	
TIER:						
BRAND:			Norton			
TRADENAME:			<b>NORZON R821</b>	<b>NORZON R823</b>	<b>METALITE R228</b>	
ABRASIVE:			Zirconia Alumina	Zirconia Alumina	Aluminum Oxide	
BACKING:			Y-wt. Cotton	X-wt. Polyester	X-wt. Cotton	
SIZE (W X L)	GRIT	MIN./STD. PKG.	PART NO.	PART NO.	PART NO.	
4 x 36	36	10/50			78072722110	
	40				78072722105	
	50				78072722100	
	60					
	80		78072727475	78072728827		
	100		78072727474	78072728825		
	120		78072727473		78072722085	
	150			78072728821	78072722080	
	180				78072722079	
	320				78072722075	
4 x 54	36	10/50			78072722185	
	40				78072722180	
	50				78072722175	
	60			78072727518		78072722170
	80					78072722165
	100					78072722160
	120					78072722155
	6 x 48		36	10/20	78072727698	
40		78072727697			78072722585	
50		78072727696			78072722580	
60		78072727695				
80		20/20	78072727694	78072728937	78072722570*	
100				78072728935	78072722565*	
120				78072728933	78072722560*	
150				78072728931	78072722555*	
180					78072722550*	
220					78072722546*	
240				78072722545*		
320				78072722543*		
6 x 60		36	10/20			78072722680
		40		78072727762		78072722679
	60	20/20		78072728957	78072722665	
	80				78072722660	

\* MIN./STD. PKG IS 10/20

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 the 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:	<b>SG BLAZE R980P</b>	<b>SG R981</b>	<b>NORZON R824</b>	<b>NORZON R823</b>	<b>METALITE R228</b>
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	78072728662	78072721470		
	40				78072750015				
	50			78072740771	78072750013				
	60				78072750011			78072721445	
	80			78072701958	78072750008			78072721440	
	120							78072721430	
3 x 132	24	25/50	69957344962	78072753087*	78072750140*	78072728789	78072721900		
	36		69957344710		78072750138* RR				
	36				78072750139* L				
	40		69957344964		78072701614*			78072721890	
	50		69957344763		78072703709*				78072750135*
	60		69957344958						78072721885
	80		69957344764						78072721880
	100								78072721875
	120								78072721870
	150								78072721865
	180								78072721860
220			78072721855						
4 x 132	36	10/50		78072739662	78072750287		78072722400		
	40								
	60				78072750281				
	80				78072750279				
120				78072722385					
8 x 107	36	10/20					78072722795		
	50	20/20					78072749887		
	60					78072722780			
	80					78072722775			
	100					78072722773			
10 x 70-1/2	36	5/10					78072722840		
	40	10/10					78072722835		
	50					78072722830			
	60					78072722825			
	80					78072722820			

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