



Portable file belt sanders have replaced tedious hand filing and sanding. First introduced in pneumatic, they are now also available in electric. Increasingly, tool manufacturers are introducing additional fixtures for additional applications. The belts listed are popular stock sizes, but additional sizes, specifications, backing materials, and edge scallops are available made-to-order.

**Applications:**

Light weld removal and blending, shape and contour sanding, surface preparation prior to coating and plating, removing cutting tool marks from molds and dies, general clean-up and finishing

**Size Range:**

1/8" to 1" wide, 12" to 30" long

**Grit Range:**

40 – 120

**Abrasive Grain:**

Ceramic Alumina, Zirconia Alumina, Aluminum Oxide

**Machine Used:**



PORTABLE FILE  
BELT SANDER

**Cross Reference Guide**

	BEST	BEST	BETTER	GOOD	GOOD
<b>NORTON</b>	<b>Blaze R980P</b>	<b>RedHeat R983</b>	<b>BlueFire R887D/R823P</b>	<b>Gemini R766</b>	<b>Gemini R283</b>
3M	963G/H, 966F, 967F, 997F, 984F, 784F, 947A	747D, 777F, 778F, 784F, 987F, 977F	577F, 551E	361F, 363F	241E, 244E, 251E, 261E
Hermes	CR456	—	RB48624YX, RB48644Z	RB377XY, SB378	RB530J, RB304J, RB306J
Klingspor	CS610	CS912	CS411X, CS416, CS409	CS412, CS413	CS412
SIA	2515, 2503	—	2800,2803, 2815, 2829, 2824	—	—
VSM	XK875X, XK885Y, XK880Y	XK870X, XK870X	ZK713X, ZK713T, KK715X	LK719X, KK711X	KK711E
Sait	—	—	AZ-X	1AX, 2AX	LA-X
Sunmigh	—	—	—	P656W	—

**Material-to-Product Recommendation Guide**

	BEST	BEST	BETTER	GOOD	GOOD	
	<b>Blaze R980P</b>	<b>RedHeat R983</b>	<b>BlueFire R887D</b>	<b>BlueFire R823P</b>	<b>Gemini R766</b>	<b>Gemini R283</b>
Carbon Steel	◆	◆	◆	◆	◆	◆
Stainless Steel / Alloys	◆	◆	◆	◆	◆	◆
Cast Iron	◆	◆	◆	◆	◆	◆
Brass / Bronze	◆	◆	◆	◆	◆	◆
Aluminum	◆	◆	◆	◆	◆	◆



Best for stainless, cobalt, chrome, inconel, titanium, mild and carbon steel

**BLAZE R980P CERAMIC ALUMINA**

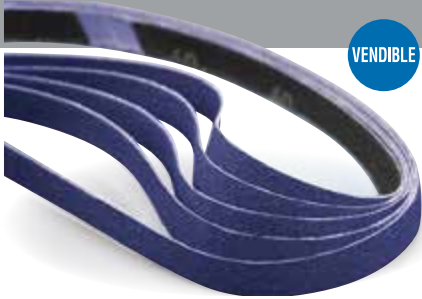
- Next-generation cooler cutting Norton SG ceramic alumina grain lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, inconel and titanium with better metal integrity
- Durable Y-weight polyester, waterproof cloth backing for improved grain adhesion, reduced edge-fray, and better body retention, resulting in longer life and product consistency
- Lubricating grinding aid coating means cooler cut, burn-free grinding of heat-sensitive materials, minimized loading, and improved part finish and integrity



Exceptional performance, especially on hard-to-grind alloys

**REDHEAT R983 CERAMIC ALUMINA**

- Premium ceramic abrasive provides sharp cutting, exceptional life and value, especially on hard-to-grind alloys
- "Supersize" grinding-aid for longer life, cooler cut and minimized loading
- Strong Y-weight polyester, waterproof cloth backing for improved grain adhesion, reduced edge-fray and better body retention, resulting in longer life and product consistency



VENDIBLE

Better choice for stainless and carbon steel

## BLUEFIRE R887D/R823P ZIRCONIA ALUMINA

- Strong, self-sharpening zirconia alumina abrasive for fast, aggressive cut and 30% longer life than competitive zirconia belts
- Durable resin bond for excellent grain retention and product life
- Strong Y-weight polyester backing - R887D for heavy-duty stock removal applications; flexible X-weight polyester backing - R823P for moderate- to light-pressure applications



Good choice for difficult-to-grind materials (aluminum, brass, bronze, stainless, carbon steel, titanium, etc.)

## GEMINI R766 ALUMINUM OXIDE

- Premium aluminum oxide abrasive blend is ideal when primary purchasing criteria is a good-performing, economically-priced, general-purpose belt
- Y-weight waterproof polyester backing withstands light- to moderately-demanding applications and provides extended life on dry grinding applications
- Resin bond system provides improved edge retention and 30% plus improvement in life versus key competitors



Good choice for stainless and carbon steel applications when initial price is the primary purchasing factor

## GEMINI R283 ALUMINUM OXIDE

- P-graded premium aluminum oxide abrasive for consistent, cool cut
- Strong, semi-flexible, smooth X-weight rayon waterproof backing is designed for light- to moderate- pressure applications
- Durable resin coating provides excellent grain retention and product life



TIER:	BEST	BEST	BETTER	GOOD	GOOD
TRADENAME:	<b>BLAZE R980P</b>	<b>REDHEAT R983</b>	<b>BLUEFIRE R887D/R823P</b>	<b>GEMINI R766</b>	<b>GEMINI R283</b>
ABRASIVE:	Ceramic Alumina	Ceramic Alumina	Zirconia Alumina	Aluminum Oxide Blend	Aluminum Oxide
BACKING:	Y-Weight Polyester	Y-Weight Polyester	Y- or X-Weight Polyester	Y-Weight Polyester	X-Weight Rayon
OTHER:	Supersize	Supersize			

SIZE (W x L)	GRIT	STD. PKG.	PART #	PART #	PART #	PART #	PART #					
<b>12" Belts</b>												
1/8 x 12	40	50				666233	<b>90000 NS</b>					
	60	50	662544	<b>05345 NS</b>	662610	<b>93029 NS</b>						
	80	50		662544	<b>91523 NS</b>							
	120	50		662544	<b>91524 NS</b>							
1/4 x 12	40	50	662544	<b>91520 NS</b>								
	60	50	662611	<b>96480 NS</b>	780727	<b>58896</b>						
	80	50		662544	<b>91526 NS</b>	780727	<b>82621</b>	780727 <b>66143</b>				
	120	50	662610	<b>63632 NS</b>	780727	<b>82622</b>	780727 <b>63175</b>					
1/2 x 12	40	50	699573	<b>98018</b>	662544	<b>91528 NS</b>	666233	<b>90006</b>	780727 <b>27557</b>			
	50	50	662610	<b>43759</b>	780727	<b>18700</b>						
	60	50	699573	<b>98019</b>	780727	<b>18701</b>	780727	<b>28745</b>	666233	<b>90008 NS</b>	780727	<b>27555</b>
	60	25 V					666233	<b>73753</b>				
	80	50	699573	<b>98020</b>	780727	<b>18702</b>	780727	<b>28744</b>	666233	<b>90009</b>	780727	<b>27554</b>
	80	25 V						666233	<b>73754</b>			
	100	50	662610	<b>081180</b>			662544	<b>91534</b>			780727	<b>27553</b>
	120	50	662610	<b>42909</b>	780727	<b>00518 NS</b>	780727	<b>28742</b>			780727	<b>27552</b>
1 x 12	60	50	662610	<b>63641 NS</b>			780727	<b>53073</b>			780727	<b>73813</b>

Additional sizes, grits and scalloped edge belts are available MTO (made-to-order). Contact your Norton representative for availability, order quantities and lead-times.

40 and 50 grit BlueFire belts are furnished in BlueFire R887D (Y-weight Polyester); 60-120 grits are supplied in BlueFire R823P (X-weight Polyester).

Joints - All belts are PG jointed; a butt joint joined with flexible tape for contour grinding.

V = Vendible package. Ideal for vending machines and small jobs. 5 belts per pack / 5 packs per carton. Order in multiples of 25.

NS Non-Stock, contact your Norton representative for current order quantities and lead times.

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