



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
NORTON	Blaze R980P	RedHeat R983	BlueFire R887D/R823P	Gemini R766	Gemini R283
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	
	Blaze R980P	RedHeat R983	BlueFire R887D	BlueFire R823P	Gemini R766	Gemini R283
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

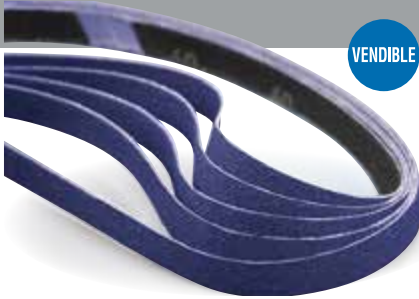
- Next-generation cooler cutting Norton SG ceramic alumina grain lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, inconel and titanium with better metal integrity
- Durable Y-weight polyester, waterproof cloth backing for improved grain adhesion, reduced edge-fray, and better 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:	BLAZE R980P	REDHEAT R983	BLUEFIRE R887D/R823P	GEMINI R766	GEMINI R283
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 #					
12" Belts												
1/8 x 12	40	50				666233	90000 NS					
	60	50	662544	05345 NS	662610	93029 NS						
	80	50		662544	91523 NS							
	120	50		662544	91524 NS							
1/4 x 12	40	50	662544	91520 NS								
	60	50	662611	96480 NS	780727	58896						
	80	50		662544	91526 NS	780727	82621	780727 66143				
	120	50	662610	63632 NS	780727	82622	780727	63175				
1/2 x 12	40	50	699573	98018	662544	91528 NS	662544	92522	666233	90006	780727	27557
	50	50	662610	43759	780727	18700						
	60	50	699573	98019	780727	18701	780727	28745	666233	90008 NS	780727	27555
	60	25 V					666233	73753				
	80	50	699573	98020	780727	18702	780727	28744	666233	90009	780727	27554
	80	25 V					666233	73754				
	100	50	662610	081180			662544	91534			780727	27553
	120	50	662610	42909	780727	00518 NS	780727	28742			780727	27552
1 x 12	60	50	662610	63641 NS			780727	53073			780727	73813

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.

continued