

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

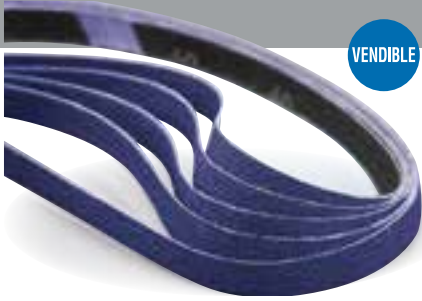
- Next-generation cooler cutting Norton SG ceramic alumina grain lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, inconel and titanium with better metal integrity
- Durable Y-weight polyester, waterproof cloth backing for improved grain adhesion, reduced edge-fray, and better 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	
	60	50	662544	05345	662544	91522	662610	93029
	80	50			662544	91523		
	120	50	662544	91519	662544	91524		
1/4 x 12	40	50	662544	91520		666233	90003	
	60	50	662611	96480	780727	58896	662544	91539
	80	50			662544	91526	780727	82621
	120	50	662610	63632	662544	91527	780727	82622
1/2 x 12	40	50	699573	98018	662544	91528	662544	92522
	50	50	662610	43759	780727	18700	666233	90006
	60	50	699573	98019	780727	18701	780727	28745
	60	25 V					666233	90008
	80	50	699573	98020	780727	18702	780727	28744
	80	25 V					666233	73753
	100	50	662610	1081180	662544	91529	662544	91534
	120	50	662610	42909	780727	00518	780727	28742
1 x 12	60	50	662610	63641			666233	73755
					780727	53073		780727

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.

continued



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 #
13" Belts							
3/8 x 13	60	50	699573 45359	780727 45459	780727 40295	666233 90011	780727 32112
	80	50	699573 92150	780727 74916	780727 36062	666233 90012	780727 71323
18" Belts							
1/8 x 18	40	50	662544 75211		662544 91535	666233 90014	
	60	50	662610 80010		780727 60595	666233 90015	
	80	50	662610 89120	780727 89083	780727 60595		
	120	50	662544 75215	780727 89084	636425 95221		
1/4 x 18	40	50	662610 27923	662611 98953	662544 92525	666233 90016	662544 91543
	60	50	699573 47249	780727 74684	780727 43583	666233 90017	780727 71000
	60	25 V			666233 73747		
	80	50	699573 46155	780727 03284	780727 53075		780727 73921
	80	25 V			666233 73748		
	120	50	662610 85071	780727 85655	780727 73764		
1/2 x 18	40	50	699573 98021	780727 66018	662544 44193	666233 90019	780727 27561
	60	50	699573 98022	780727 18704	780727 28569	666233 90020	780727 27560
	60	25 V			666233 73756		
	80	50	699573 98023	780727 18705	780727 28568	666233 90021	780727 27559
	80	25 V			666233 73757		
	120	50	662610 41384	780727 18706	780727 28567		780727 27558
3/4 x 18	40	50	699573 98027	780727 62476	662544 92526	666233 90022	780727 81797
	60	50	699573 98028	780727 45691	780727 09590	666233 90023	780727 39966
	60	25 V			666233 73762		
	80	50	699573 98029	780727 56309	780727 58953	666233 90024	780727 32289
	80	25 V			666233 73763		
	120	25 V			666233 73764		
20-1/2" Belts							
3/4 x 20-1/2	40	50	699573 98030	780727 14398	662544 57869	666233 90025	780727 27573
	50	50	699573 44982	780727 18714	662544 92527	666233 90026	662544 91544
	60	50	699573 98031	780727 18715	780727 28560	666233 90027	780727 27571
	60	25 V			666233 73765		
	80	50	699573 98032	780727 18716	780727 28559	666233 90028	780727 27570
	80	25 V			666233 73766		
	100	50	662610 55516	780727 71151	662610 38911		780727 27569
	120	50	662610 44755	780727 27380	780727 28557		780727 27575
24" Belts							
1/4 x 24	40	50	662611 98631	780727 47823	662544 73499		662544 01929
	60	50	699573 45451	780727 56534	780727 28552	666233 90030	780727 27548
	60	25 V			666233 73750		
	80	50	636425 96940	780727 18340	780727 67713		
1/2 x 24	120	50	662610 80367	780727 70718	780727 28550		
	40	50	699573 98024	780727 60092	662544 92528	666233 90032	780727 27568
	50	50	662610 43757	780727 18707	662544 52237	666233 46910	780727 27567
	60	50	699573 98025	780727 18708	780727 28564	666233 90033	780727 27566
	60	25 V			666233 73759		
	80	50	699573 98026	780727 18709	780727 28566	666233 90034	780727 27565
	80	25 V			666233 73760		
	100	50	662610 42203	780727 45021	780727 53076		662544 91545
120	50	662610 42565	780727 18710	780727 28565		780727 27564	
1 x 24	40	50	699573 50019	662544 91531			
	50	50	699573 44889	780727 10374			662544 91547
	60	50	699573 53375				
	80	50	699573 45419	780727 72209	780727 76498	666233 34206	662610 85068
120	50	662610 85067	662544 91532	780727 30029		662610 85069	
30" Belts							
1 x 30	40	50	662610 53470		662544 78257	666233 90038	662611 89958
	60	50	699573 45985		780727 28583	666233 90039	662544 91549
	80	50	699573 46105	780727 64439	780727 28582	666233 90040	780727 27579
	120	50	662611 93676	780727 81197	780727 66992		780727 27577

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.