THE BEAST® HORIZONTAL GRINDERS

WEAR PARTS CATALOG



Ready to Reorder?

Contact your local authorized Bandit parts dealer, or call 989-561-2270 (ext. 2)



INTRODUCTION |

ABOUT THE BEAST XP-SERIES



IT'S NO COINCIDENCE THAT WE CALL IT THE BEAST®.

The Beast XP-Series Horizontal Grinders are able to process an amazing array of materials, turning forest waste and woody municipal waste into a valuable product. Process stumps, logs, brush, wet leaves, whole trees, landscape waste, pallets, railroad ties, telephone poles, housing demolition, sawmill waste, logging, chip mill and paper mill waste, and more!

The most important benefit of The Beast is the quality and uniformity of the end product. Breaking down material by cutting, splitting, grinding, and now also by chipping, provides a multitude of options for producing a desired end product. Various tooth options, screens of almost any size or shape, and the ability to change the infeed conveyor feed speed allows you to produce material uniform in size and consistency to bring top dollar for your product. Tool options controlling the cut enable The Beast to deliver the best mulch products. the most uniform raw material for pressed board, the most acceptable boiler fuel, and the best hot mix asphalt supplement from shingles.

And The Beast keeps on getting better, Introduced in 2013, The Beast XP-Series incorporates over 35 specific enhancements across eight categories that improves the utility of the Beast in every way.

For detailed information on any model, please contact Bandit Industries or your local Bandit dealer for a specific product brochure.

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Applications



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INTRODUCTION

CUSTOMER TESTIMONIALS



WHAT OTHERS HAVE SAID ABOUT THE BEAST:

Jerry Lambert Testimonial

"When we first started grinding shingles, the product size was 1/2-inch-minus. It took multiple pieces of machinery to get it down to that size to meet the spec. Today we're doing it with one machine, and that machine is the Beast. We're running 10 machines nationwide. Now they're asking for 3/8-inch-minus with 100 percent passing a 3/8-inch screen and 95 percent passing the No. 4 sieve, which is almost like sand. We've tried this before with other machines to try to get them to hit this spec. So far the only one that that's hit it is The Beast."

-- Jerry Lambert, operations manager for Recycling and Processing Equipment

Mike Kachur Testimonial

"I worked my way up through what I could afford, but I always wanted a new Beast. They're just built better, heavier, and worth the investment. So I just kept working and made my way up to where I could buy one. And this is how I know I've made it, that I'm a success—I have a Beast."

-- "Paying Dues" Bandit Bits Fall/Winter 2013

Steve Reidhead Testimonial

"The only thing we were struggling with was leaving too much product on the ground at the landings with our chipper. We were very concerned about picking up the smaller stuff and sending rocks or other debris through the chipper, but we don't really have to worry about that with the Beast."

-- "The Steward of Snowflake" Bandit Bits Winter 2012

Ryan Carey Testimonial

"I'm really surprised at just how consistent the Beast is. We haven't really been broken down at all. There was a minor glitch in the beginning, but Bandit sent someone from service the next day and spent two days to make sure everything was fixed. And it's been trouble free, just very consistent."

-- "Carey on Wayward Sons" Bandit Bits Fall 2012

BEAST PARTS LISTINGS

Part Number	Description	Old Number
	STANDARD TEETH	
900-9904-61	1" Splitter Tooth	
900-9911-04	Short Shingle	
900-9911-60	NR26	
900-9914-75	Shingle Splitter	
900-9914-93	1" HD Cutter	901-200001
	FAN TEETH	
900-9904-62	Splitter Fan	
900-9904-95	Blunt Nose Splitter Fan	
900-9910-92	Short Shingle Fan	
900-9911-61	NR26 Fan	
900-9911-62	HD Cutter W/Fan	
900-9912-09	Shingle Splitter Fan	
	2" WIDE FAN TEETH	
900-9915-01	2" W Blank Fan	901-3000-48
900-9915-03	2" W Double Blunt Nose Splitter Fan	901-200009
900-9915-04	2" W Double Splitter	901-200002
900-9915-05	2" W Double 1" Flat Carbide Fan	901-200003
900-9915-07	2" W 55G Hard Surface Fan (Trash Tooth)	901-200000
900-9915-08	2" W Double NR26 Fan (Shingle Claw)	901-100040
900-9916-06	2" W Double Shingle Fan	
	KNIFE STYLE CUTTERBODY TEETH	
900-9914-96	Double Splitter KSCB	977-100503
900-9918-86	Triple Splitter KSCB	
900-9915-23	Chipper Knife 26/3680	
900-9915-26	Chipper Knife 4680	
900-9915-24	Wear Block	
900-9915-25	Counter Knife	
900-9914-97	Double Carbide Cutter KSCB	977-100506
900-9914-98	Double Blunt Nose Splitter KSCB	977-100520
900-9914-99	Double NR26 KSCB	977-100577
900-9915-00	55G Sprinkle Carbide Impregnated KSCB (TT)	977-100519
900-9916-07	Double Shingle KSCB	

BEAST PARTS LISTINGS

Part Number	Description	Old Number		
	1680 TEETH			
900-9915-15	Double Splitter 1680	977-100137		
900-9915-16	Double Blunt Nose Splitter 1680	982-100023		
900-9915-17	Double Short Shingle 1680	982-100100		
900-9915-18	Double NR26 Carbide 1680 Not Pictured Yet	982-100077		
900-9915-19	2" W G55 Carbide 1680	977-200233		
CUTTERBODIES				
982-100005	Standard 1680			
982-2003-57	Knife Style 1680 KSCB			
977-200835	Standard 26/3680			
977-304720	Replaceable Raker 26/3680			
977-2012-34	Knife Style 26/3680 KSCB			
983-2004-66	Standard 4680			
983-301884	Knife Style 4680 KSCB			
983-302327	Replaceable Raker 4680			
977-2012-33	Standard 30-Tooth Knife Style 26/3680			
977-200800	Standard 30-Tooth 26/3680			
977-305134	Standard 30-Tooth Raker Style 26/3680			
	WIPERS/RAKERS			
900-9915-20	Wiper Insert, Hard Facing 16/26/36/4680	901-100000		
900-9915-21	Wiper Insert, Carbide Sprinkle 16/26/36/4680	901-100009		
977-100056	Raker, 45 Degree			
977-200817	Raker, HD 6 Weld (Shingles Only)			
977-2011-99	Raker, Standard Forged			
983-2004-42	Raker, Standard Forged 4680			
983-2004-43	Raker, HD Forged 4680			
977-2012-00	Raker, HD Forged			
977-2012-01	Raker, 30-Tooth Cutter Head			
977-2012-02	Raker, 30-Tooth Cutter Head			

PARTS |

STANDARD TEETH



PART NO. 900-9904-61





SHINGLE SPLITTER
PART NO. 900-9914-75



FAN TEETH



PART NO. 900-9904-62



PART NO. 900-9910-92



PART NO. 900-9911-62



PART NO. 900-9904-95



PART NO. 900-9911-61



PART NO. 900-9912-09

RECOMMENDATIONS:

We recommend running a minimum of 30 fan teeth in most applications. The fan teeth will help move the ground material through the screen quicker than standard teeth. This will help to reduce wear and increase production while grinding. •••••

PARTS F

2" WIDE FAN TEETH



PART NO. 900-9915-01















KNIFE STYLE CUTTERBODY TEETH

COMPATIBILITY:

All Beast teeth and knives on the facing page are designed to work with the Knife Style Cutterbody.

Note: All 2" W Fan Teeth & KSCB Teeth are also capable of being setup in 30 tooth applications instead of the standard 60.

Fig. 1: Knife Style Cutterbody



















PARTS |

1680 TEETH











CUTTERBODIES





A PARTS

CUTTERBODIES



PART NO. 977-200835





PART NO. 977-2012-34





PART NO. 983-2004-66







PART NO. 977-305134



WIPERS/RAKERS



PART NO. 900-9915-20





RAKER, HD 6 WELD (SHINGLES ONLY) PART NO. 977-200817



PART NO. 977-2011-99











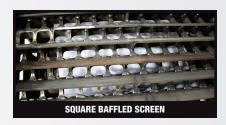
PART NO.977-2012-01

SCREEN SELECTIONS









SCREEN VARIATIONS

Available Screen Types:

There are several screen types available. Each are designed to match the user's specific grinding needs, production rate, and desired end-product.

5/8" - 7" Modified Diamond

- Highest production rate
- Less consistent product

1"- 4" Round

- Good for dry material
- Good for consistent product
- Less than square baffle but higher production rate
- Lower than modified diamond

1" - 4" Square Baffled Screen

- Good for dry material
- Very consistent product
- Lower production rate

Screen Variations:

Screen size will vary depending on the desired end-product shape and will be determined by desired end-product consistency.

Modified Diamond Holes:

- Longer stringy-looking end-product, allows material to pass through freely.
- Good for primary grind and applications where high consistency is not necessary.
- Works well in wet green waste where moisture content is the highest

Round Holes:

Consistent end-product, good for final grind/sizing.

Square Screens:

- Most consistent end-product, good in pallets and material that will splinter.
- Not good in green/wet material.

Square Baffled Screens:

- Most consistent end-product, good in pallets and material that will splinter.
- Limits overs to produce a more uniform end-product.

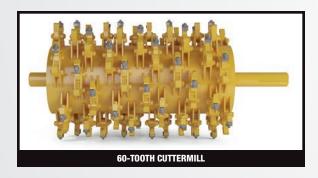
THE BEAST® CUTTERMILL HEADS

THE BEAST CUTTERMILL HEADS

Cutterhead Information

Your cuttermill is fabricated with two spirals of tooth holders. Teeth may be configured in any way needed on the drum to fit your needs. Improperly installed teeth will not grind properly and may damage the cuttermill. Because all applications differ, it is important to determine what tooth combinations perform best under different situations. We encourage you to experiment with different combinations of teeth and screens to obtain production, product and economic goals. Please refer to page 15 for suggested setups for some common materials/applications.







Mill Configurations:

1680XP:

26-Tooth Cuttermill

2680XP:

- 30-Tooth Cuttermill
- 60-Tooth Cuttermill
- Chipper Drum

3680XP:

- 30-Tooth Cuttermill
- 60-Tooth Cuttermill
- Chipper Drum

4680XP:

60-Tooth Cuttermill

APPLICATIONS

WOOD & SHINGLE GRINDING

WOOD GRINDING APPLICATIONS: SUGGESTED SETUPS

C&D / Pallets / Dimensional Lumber:

- 30 pieces Teeth, 2" W 55G Hard Surface (Trash Tooth) / Part No. 900-9915-07
- 30 pieces Teeth, Blunt Nose Splitter Fan / Part No. 900-9904-95

Chunk Wood:

- 30 pieces Teeth, 1" Splitter Tooth / Part No. 900-9904-61
- 30 pieces Teeth, Splitter Fan / Part No. 900-9904-62

Clean Logs/ Whole Trees:

- 30 pieces Teeth, 1" HD Cutter / Part No. 900-9914-93
- 30 pieces Teeth, Splitter Fan / Part No. 900-9904-62

Re-Grind:

 30 pieces - Teeth, 2" W 55G Hard Surface (Trash Tooth) / Part No. 900-9915-07 30 pieces - NR26 Fan Teeth / Part No. 900-9911-61

Land Clearing Debris:

- 30 pieces Teeth, Blunt Nose Splitter Fan / Part No. 900-9904-95
- 30 pieces Short Shingle Fan / Part No. 900-9910-92

Yard Waste:

- 30 pieces Teeth, 2" W 55G Hard Surface (Trash Tooth) / Part No. 900-9915-07
- 30 pieces Teeth, Blunt Nose Splitter Fan / Part No. 900-9904-95

Mulch Coloring:

- 30 pieces Teeth, 1" Splitter / Part No. 900-9904-61
- 30 pieces Teeth, Short Shingle / Part No. 900-9911-04

SHINGLE GRINDING APPLICATIONS: SUGGESTED SETUPS

Customers process two primary materials, with the result typically being a 1/2" to 3/8" minus end-product.

The two primary materials processed are:

Factory Reject (Waste) Shingles Tear-Off Shingles

Typical machine setups to achieve this are: Screens and Gates. All:

5/8" Diamond Screens and Gates

Tear Off Shingles:

- 60 pieces Teeth, 2" W Double NR26 Fan (Shingle Claw) / Part No. 900-9915-08
- 60 pieces HD Weld Pattern Raker / Part No. 977-200870

Rakers, Tear Off Shingles:

 60 pieces - Standard Raker w/ HD Weld Pattern / Part No. 977-2012-00

Factory Waste Shingles:

- 60 pieces Teeth, Shingle Splitter Fan / Part No. 900-9912-09
- 30 pieces HD Weld Pattern Raker (Installed near radiator side of machine) / Part No. 977-2012-00
- 30 pieces HD 6 Weld Shingle Raker (Installed near sheave side of machine) / Part No. 977-200817

Rakers, Factory Waste Shingles:

- 30 pieces Monster Raker (Installed near sheave side of the mill.) / Part No. 977-200870
- 30 pieces Monster Raker (Installed near sheave side of the mill.) / Part No. 977-200817

Going to a larger screen/gate will increase product size. 3/4" screens usually give an end product in the 1/2"-5/8" range and a 1" (or what we call 7/8") will give an end-product in the 5/8"-3/4" size range.

Note: These suggestions are based on our previous experience, but your results may differ. Variables in material, conditions, and machine maintenance can lead to different results. Additional refining of the setup may be required to achieve your desired results.

HARDWARE

























PART NO. 900-4916-41

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HARDWARE











HARDWARE

Mill/Drum Hardware:

Washers, nuts and bolts have separate part numbers. Be sure to include a quantity when ordering, as components are sold individually.

Part Number	Description	1680XP	2680XP
900-4908-78	Hex Head cutterbody Bolt 1"-14 x 3-7/8"	Standard/Knife	Standard/Raker/Knife
900-6907-68	Washer 1"	Standard/Knife	Standard/Raker/Knife
900-4902-78	Hex Head tooth Bolt 3/4"-10NC x 2-1/2"	Standard	_
900-4904-92	Cutter body nut 1"-14 stover lock nut	Standard/Knife	Standard/Raker/Knife
900-4918-01	Stud 3/4" x 3"	Knife	Knife
900-4901-66	Hex nut for tooth 7/8"-14NF	-	Standard/Raker
900-4918-11	Hex head raker bolt 3/4"-16NF x 2-1/4"	-	Raker
900-4914-20	Hex flange knife nut 3/4"-16NF	-	Knife

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PARTS -

HARDWARE

Part Number	Description	2680XP 30-Tooth	3680XP
900-4908-78	Hex Head cutterbody Bolt 1"-14 x 3-7/8"	_	Standard/Raker/Knife
900-6907-68	Washer 1"	Standard/Raker/Knife	Standard/Raker/Knife
900-4902-78	Hex Head tooth Bolt 3/4"-10NC x 2-1/2"	-	-
900-4904-92	Cutter body nut 1"-14 stover lock nut	Standard/Raker/Knife	Standard/Raker/Knife
900-4918-01	Stud 3/4" x 3"	Knife	Knife
900-4901-66	Hex nut for tooth 7/8"-14NF	Standard/Raker	Standard/Raker
900-4918-11	Hex head raker bolt 3/4"-16NF x 2-1/4"	Raker	Raker
900-4914-20	Hex flange knife nut 3/4"-16NF	Knife	Knife
900-4916-41	Cutter body bolt 1"-14 x 4-7/8"	Standard/Raker/Knife	-
Part Number	Description	3680XP 30-Tooth	3680XP HD
900-4908-78	Hex Head cutterbody Bolt 1"-14 x 3-7/8"	_	-
900-6907-68	Washer 1"	Standard/Raker/Knife	Standard/Raker/Knif
900-4902-78	Hex Head tooth Bolt 3/4"-10NC x 2-1/2"	_	_
900-4904-92	Cutter body nut 1"-14 stover lock nut	Standard/Raker/Knife	Standard/Raker/Knif
900-4918-01	Stud 3/4" x 3"	Knife	Knife
900-4901-66	Hex nut for tooth 7/8"-14NF	Standard/Raker	Standard/Raker
900-4918-11	Hex head raker bolt 3/4"-16NF x 2-1/4"	Raker	Raker
900-4914-20	Hex flange knife nut 3/4"-16NF	Knife	Knife
900-4916-41	Cutter body bolt 1"-14 x 4-7/8"	Standard/Raker/Knife	_
900-4915-91	Cutter body bolt 1"-14 x 4-3/8"	-	Standard/Raker/Knif
Part Number	Description	4680XP	Chipper Drum
900-4908-78	Hex Head cutterbody Bolt 1"-14 x 3-7/8"	Raker	_
900-6907-68	Washer 1"	Standard/Raker/Knife	_
900-4902-78	Hex Head tooth Bolt 3/4"-10NC x 2-1/2"	_	_
900-4904-92	Cutter body nut 1"-14 stover lock nut	Standard/Raker/Knife	_
900-4918-01	Stud 3/4" x 3"	Knife	_
900-4901-66	Hex nut for tooth 7/8"-14NF	Standard/Raker	_
900-4918-11	Hex head raker bolt 3/4"-16NF x 2-1/4"	_	_
900-4914-20	Hex flange knife nut ¾"-16NF	Knife	_
900-4916-41	Cutter body bolt 1"-14 x 4-7/8"	_	_
900-4915-91	Cutter body bolt 1"-14 x 4-3/8"	_	_
900-4908-10	Cutter body bolt 1"-14 x 5-1/2"	Standard/Raker/Knife	_
900-4909-76	1/4"x1/2" Counter knife bolt	_	2680XP/3680XP
900-4914-30	3/4"x 2 1/4" Knife holder bolt	_	2680XP/3680XP
900-4901-32	5/8" mill Carb Washer	_	2680XP/3680XP
900-4914-27	5/8"x 2 1/4" Hex Head Bolt	_	2680XP/3680XP

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PARTS

NOTES



Thank you for your interest in Beast Wear Parts!

Our commitment to you is to quickly and conveniently provide the best quality wear parts, the best service and the best support for you and your equipment.





