

■ **Bugnot: quality and innovations since 1915**

Conception, manufacturing and marketing of agricultural, building, civil engineering, landscape and green space machinery.

Bugnot is a family firm based at Roches-Bettaincourt in the Champagne Ardennes region of France. Bugnot designs and manufactures agricultural, building and civil engineering machinery that is suited to the biggest and best-known companies. It also designs and builds landscape gardening and urban green space management equipment.

- Agricultural and soil working machinery
- Handlers
- Forestry mulchers
- Stone crushers
- Green waste shredders
- Sweepers
- Saws and log splitters



Thanks to our proximity to the working environment, trials, checks and backing up our product operators, the designs produced by our development team suit the final end-user perfectly.

As a result our products are always innovative, and at the cutting edge of technology.

We expand our product range regularly with the introduction of new equipment that is always more efficient and more reliable.



BUGNOT 52

BUGNOT 52

Rue de la Batterie
52270 ROCHES-BETTAINCOURT
Tel. +33 (0)3 25 01 31 18
Fax : +33 (0)3 25 01 37 47
mail : bugnot@wanadoo.fr
infoplus@bugnot.com

www.bugnot.com

STONE CRUSHERS

BUGNOT 52

agricultural machinery since 1915

BP and BPE 144 - 194 - 244 - 245 - 300

BPM 1600 - 1880 - 2160 - 2450 - 2720 - 3000

OBL'X 2720 - 3000 - 3200

Stone crushers



BP stone crusher range

FIXED ANVILS

BPE stone crusher range

MOVING ANVILS

Working width: 1,44 m, 1,94 m, 2,44 m and 3,00 m

The BP range is aimed at the agricultural market, either for general field use or where the stones have been windrowed

BP 144 - BP 194 - BP 244 - BP 300



The fixed anvil, the key part of the crusher, is equipped with bolted wearing parts that are easily changed.

The high elastic limit steel rotor is machined from one piece of solid steel bar, and wearing parts are laid out in a spiral for uniform crushing.

A hydraulic ram is fitted as standard enabling the hood to be opened from the drivers seat.



The oversized roller bearing housings are greasable from the outside:

- A grease nipple is fitted to the roller bearing.
- There is another grease nipple for greasing the anti-dust chicane between the rotor and the bearing housing.



Three types of hammers can be installed on the BP and BPE rotors. All hammers are fixed by two bolts (Ø 24 mm).

- Hard faced hammers are manufactured to crush limestone.
- 3-bits carbide hammers are designed for high wear applications.
- 3-bits Big carbide hammers improve the granulometry and are used for extreme wear work sites.

TECHNICAL CHARACTERISTICS									
Type	Power		Working width	Hammers		Weight	PTO	Drive	Belts
	min	max		Number	Width				
	HP			cm	mm				
BP 144	90	120	144	6	188	1980	1000	double	2x5 SPC
BP 194	110	150	194	8	188	2300	1000	double	2x5 SPC
BP 244	140	200	244	12	188	2700	1000	double	2x5 SPC
BP 245	150	350	244	12	188	2900	1000	double	2x6 SPC
BP 300	180	350	300	14	188	3300	1000	double	2x6 SPC

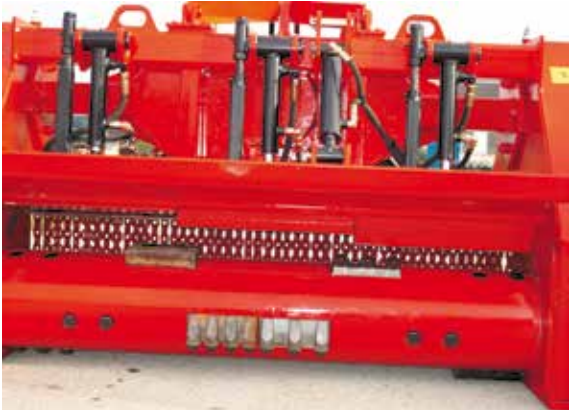
Working width: 1,44 m, 1,94 m, 2,44 m and 3,00 m

The BPE range is designed for agricultural and civil engineering environments, including road and platform construction...

BPE 144 - BPE 195 - BPE 244 - BPE 245 - BPE 300



Adjustable anvils provide a choice of granulate sizes



As with the BPM and OBLX ranges, the anvils are hydraulically adjustable from the drivers seat. In the event of contact with a foreign body, a non-stop safety system protects the rotor. The anvils are mounted in several sections on rams that are coupled to a nitrogen accumulator shock absorber.

The anvils are mounted independently giving enhanced rapidity and reactivity. The safety mechanism's sensitivity is controlled using a pressure gauge, from the drivers seat.

Thanks to this system, the distance between the hammers and the anvils can be adjusted, hammer wear where can be compensated for by moving the anvils towards them.



When the anvils are being used continuously in the closed position (granulate as fine as possible) 2 valves enable the crusher to be isolated from the tractor whilst maintaining the non-stop safety function.



Steel bearing housings are used and are fitted with a double row oscillating roller bearings (internal Ø 100 mm), they can be greased from the outside.

- They are fitted with a grease nipple for the bearing and the anti-dust chicane between the rotor and bearing housing.
- The upper bearing housing is fitted with a grease nipple.

TECHNICAL CHARACTERISTICS										
Type	Power		Working width	Hammers		Weight	PTO	Drive	Belts	Number of anvils
	absorbed	max		Number	Width					
	HP		cm		mm	kg				
BPE 144	90	250	144	6	188	1980	1 000	double	2x5 SPC	2
BPE 194	110	250	194	8	188	2 470	1 000	double	2x5 SPC	3
BPE 244	140	250	244	12	188	2 900	1 000	double	2x5 SPC	4
BPE 245	150	350	244	12	188	3 100	1 000	double	2x6 SPC	4
BPE 300	180	350	300	14	188	3 400	1 000	double	2x6 SPC	5



BPM mixed stone crusher range

Working width: 1,60 m, 1,88 m, 2,16 m, 2,45 m, 2,72 m and 3,00 m

The BPM range is aimed at both agricultural and civil engineering uses, and is capable of grinding stumps and wood and also track and platform construction. It is ideally suited for use by contractors

BPM 1600 - BPM 1880 - BPM 2160 - BPM 2450 - BPM 2720 - BPM 3000

Mixed crushers



The anvils safety mechanism is controlled from the tractor seat thanks to a pressure gauge.

As with the BPE and OBLX models the anvils are hydraulically adjustable from the tractor seat.

In the event of contact with a foreign body, a non-stop safety system protects the rotor. The anvils are mounted in several sections on rams that are coupled to a nitrogen accumulator shock absorber.



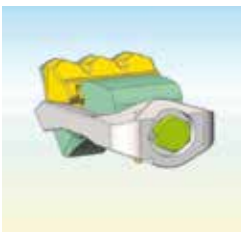
The anvils are mounted independently giving enhanced rapidity and reactivity. Thanks to this system, the distance between the hammers and the anvils can be adjusted, hammer wear where can be compensated for by moving the anvils towards them.



TECHNICAL CHARACTERISTICS									
Type	Power		Working width	Hammers Number	Weight	PTO	Drive	Belts	Number of anvils
	absorbed	max							
	HP		cm	Length = 140 mm	kg				
BPM 1600	80	250	160	8 or 16 or 32	2 750	1 000	double	2x4 SPC	2
BPM 1880	95	250	188	10 or 20 or 40	3 100	1 000	double	2x4 SPC	2
BPM 2160	115	400	216	12 or 24 or 48	3 600	1 000	double	2x5 SPC	3
BPM 2450	150	400	245	14 or 28 or 56	4 100	1 000	double	2x5 SPC	3
BPM 2720	180	400	272	16 or 32 or 64	4 800	1 000	double	2x6 SPC	4
BPM 3000	220	400	300	18 or 36 or 72	5 200	1 000	double	2x6 SPC	4



Several skids can be removed in order to enable the rotor level to be set below the skid level.



The QUICKCHANGE wearing part mounting system permits or wearing parts to be changed quickly. A locking system prevents the brackets from working loose.



All parts requiring maintenance or accessible through hinge mounted covers. Maintenance is simplified (example: anvil changing and greasing is easy).



Setting the anvil lower limits



Penetration tines are suitable for civil engineering use.



Steel hammer and carbide hammer type P3 to be used for stone only. Carbide hammers are for high wear conditions	Hammers type P2 Big with tungsten carbide used in stone conditions	Carbide hammer model P1 and P2 to be used for stone and wood	Carbide hammer model FD and FG to be used for wood

The OBL'X stone crusher range

Working width: 2,52 m, 2,80 and 3,08 m

The OBL'X range conserves the polyvalence of the BPM crushers, the OBL'X are designed to handle more power and work at depths of more than 40 cm, it is the ideal implement for civil engineering.

OBL'X 2720 - OBL'X 3000 - OBL'X 3200

Hydraulic depth control

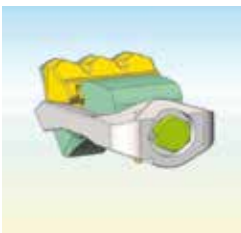


As with the BPE and BPM models, the anvils are hydraulically adjustable from the tractor seat.

In the event of contact with a foreign body, a non-stop safety system protects the rotor. The anvils are mounted in several sections on rams that are coupled to a nitrogen accumulator shock absorber. The anvils are mounted independently giving enhanced rapidity and reactivity. Thanks to this system, the distance between the hammers and the anvils can be adjusted, hammer wear where can be compensated for by moving the anvils towards them.



As with the BPM the anvils safety mechanism is controlled from the tractor seat thanks to a pressure gauge. The top link has 2 positions in order for it to be adaptable to suit all types of tractor and maintain an optimum power takeoff shaft angle.



The QUICKCHANGE wearing part mounting system permits or wearing parts to be changed quickly. A locking system prevents the brackets from working loose.



All parts requiring maintenance or accessible through hinge mounted covers. Maintenance is simplified (example: anvil changing and greasing is easy).



Hydraulic skid adjustment



Setting the anvil lower limits



Simple access to the anvils and for greasing shafts

TECHNICAL CHARACTERISTICS									
Type	Power		Rotor width	Number of hammers	Weight	PTO (rpm)	Drive	Drive	Number of anvils
	absorbed	max							
	HP		cm	Length = 140 mm	kg				
OBL'X 2720	300	500	252	32 or 64	6000	1000	double		4
OBL'X 3000	350	500	280	36 or 72	6600	1000	double	2 vertical gearbox	4
OBL'X 3200	400	500	308	40 or 80	7200	1000	double		4

In order to spend more torque, whilst keeping the space required to a minimum, the gear boxes are mounted on each side. These are mounted on a shock absorber in order to maintain smooth working in case of shocks or in case of abruptly stop of the rotor. A gear box transfers 250 hp to the rotor as standard.

Steel hammer and carbide hammer type P3 to be used for stone only. Carbide hammers are for high wear conditions	Hammers type P2 Big with tungsten carbide used in stone conditions	Carbide hammer model P1 and P2 to be used for stone and wood	Carbide hammer model FD and FG to be used for wood