

**Bomet
Equipment
for
Woodward
Crossings**

BOMET

Model	Description	Cat	Wt
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Libra Single Beam Plows (spring trip) - includes 1 gauge wheel & 1 disc opener per bottom



U068	3-Bottom, Full Frame	Cat II	2024
U0681	4-Bottom w/Extensions 3+1=4	Cat III	2464
U0682	4-Bottom, Full Frame	Cat III	2464
U0683	5-Bottom w/Extensions 4+1=5	Cat III	2926
U0681EXT	1 Bottom Extension (when sold separately)		440

Set up charge for 3-Bottom (dealer installs extensions)			
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Single-Beam Plows - Libra

Single-beam plows Libra are designed for medium and deep plowing on various soils. In stony soils occur, plows with protection by springs effectively protect against the overload and damage are recommended.

Working width of plow bodies is adjustable from 12" to 20".

Distance between plow bodies on the frame equaling 35" and height under the frame equaling 33" allows for unconstrained operation on fields with post-harvest residues.

Support wheel which sets the depth of plowing in the range to 14" is mounted in the holder of the third plow body.

Disc skimmers are the additional equipment providing for good quality (uniform and shallow) of plowing the organic matter.

Disc skimmers are attached to the beam of plow bodies with the aid of holders to allow free adjustment of working parts.

Pin Category Information

Cat I = 7/8" / 22.4 mm

Cat II = 1-1/8" / 28.7 mm

Cat III = 1-7/16" / 37.4 mm



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Gemini One Row Potato Planter - Cat I 3-Point width = 15-3/4" (narrow)



		• Seed Distance	HP Req'd	Planting Depth	Hopper Capacity	Wt
S2392SW	w/Steel Wheels	11.5", 12.5", 14"	20	4" - 6"	198 lbs	286
S2392RW	w/Rubber Tires	12.5"	20	4" - 6"	198 lbs	286
Tire size 4.00-12 (diameter 20")						
239102030	Rubber Cover for Hopper Bottom – Rubber cover to protect the bottom of the tank when you are planting small potatoes. Protects the small potatoes from falling into the gap between the chain and hopper. The Gemini 1-Row planters are supplied with holes drilled for this option.					
239104030	Optional set of 1 (20) Buckets for Planting small-size Potatoes					

- Seed distance adjustable by diameter of steel wheels, no adjustment with rubber tires

Gemini Two Row Potato Planter - Cat I/II



		Seed Distance	HP Req'd	Planting Depth	Hopper Capacity	Wt
S2391SW	w/Steel Tires	11.5", 12.5", 14"	43	4" - 6"	660 lbs	484
S2391RW	w/Rubber Tires	12.5"	43	4" - 6"	660 lbs	484
Tire size 4.00-12 (diameter 20")						
239102030	Rubber Cover for Hopper Bottom – Rubber cover to protect the bottom of the tank when you are planting small potatoes. Protects the small potatoes from falling into the gap between the chain and hopper. The Gemini 2-Row planters are supplied with holes drilled for this option.					
239104030	Optional set of 2 (20) Buckets for Planting small-size Potatoes 40 Buckets required for 2-Row					

2 - Row spacing is 24.5" to 26.5" or 27.5" to 29.5" and variable seed distance with steel wheels of 11.5" or 12.5" or 14" and a constant seed distance of 12.5" with rubber wheels. Changing the distance of the seed potatoes can be achieved by changing the diameter of the steel wheels.

In one working cycle, the planter performs all work related to potato planting, i.e. makes furrows, automatically seeds the potatoes and forms the ridge.



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Gemma Planters (Garlic, Spring Onions, Broad Beans)

Model	# of Rows	Planting Depth				Distance between Rows	Distance in Row			Size of Bucket	Tank Cap lbs.	Wt lbs.	HP req'd
		1.2"	2"	2.8"	3.5"		3.7"	4.5"	7.1"				
S290	3	1.2"	2"	2.8"	3.5"	4.7"/120 - 18.9"/480	3.7"	4.5"	7.1"	1.1 or 1.4	441	794	38
S2901	4	1.2"	2"	2.8"	3.5"	4.7"/120 - 12.6"/320	3.7"	4.5"	7.1"	1.1 or 1.4	441	849	38
S2902	5	1.2"	2"	2.8"	3.5"	4.7"/120 - 9.5"/240	3.7"	4.5"	7.1"	1.1 or 1.4	441	904	38
	mm	30	50	70	90		95	115	180	28 or 35			

Additional sets of buckets

290004174X3	set of 48 of 28mm buckets - 3 row S290 planter
290004174AX3	set of 48 of 35mm buckets - 3 row S290 planter
290004174X4	set of 64 of 28mm buckets - 4 row S290 planter
290004174AX4	set of 64 of 35mm buckets - 4 row S290 planter
290004174X5	set of 80 of 28mm buckets - 5 row S290 planter
290004174AX5	set of 80 of 35mm buckets - 5 row S290 planter

Individual Bucket part number

290004174	individual 28mm bucket
290004174A	individual 35mm bucket

* It is possible to change gears that allow planting in a different distance in row

* It is possible to buy an additional set of buckets

Available seed spacing in a row:

mm	95	100	105	115	120	130	135	140	150	160	165	170	180	185	190	195	215
inches	3.7"	3.9"	4.1"	4.5"	4.7"	5.1"	5.3"	5.5"	5.9"	6.3"	6.5"	6.7"	7.1"	7.3"	7.5"	7.7"	8.5"

Planters Gemma are available as 3-row, 4-row or 5-row machines. They are adapted for cooperation with 38 HP tractors equipped with three point suspension system, cat II. Planters are perfect for plantations in small and medium-sized farms.

To meet the high agrotechnical expectations as to cultivating vegetables regarding the distance between rows, distances seed in a row and planting depth, significant improvements have been made. The machine's configuration allows it to be adapted to the requirements of growers of garlic, spring onions and broad beans plants. Adaptation of the planter for planting appropriate seeds is achieved by mounting the appropriate size of buckets (1.1"/28 mm or 1.4"/35 mm) on a transport chain in the tank. Buckets can be easily replaced by screwing them in the chain connection links.

Another important parameter is the distance between rows. The 3-row planter allows for seeding from 5"/12 cm to 19"/48 cm in rows, 4-row: from 5"/12 cm to 12.5"/32 cm, 5-row: from 5"/12 cm to 9.5"/24 cm.

Seed spacing in a row can be adjusted from 3.7"/9.5 cm to 8.3"/21 cm. The adjustment takes place by replacing the chain wheel on the drive shaft. The use of the Taper Lock bushing for the installation of chain wheels makes it easy to assemble and disassemble the wheel.

The depth of seed planting is adjusted in steps with supporting wheels in the range 3 / 5 / 7 / 9 cm - 1.2"/2"/2.8"/3.5". The spacing of the planter wheels enables cooperation with tractors with a wheel base of 53"/135 cm or 59"/150 cm. Planting wheels will be in the tracks of the tractor's wheels.

The machine is equipped as a standard with kneading wheels and the equalizer roller.



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Ursa One Row Vibrating Potato Digger - Cat I 3-Point width = 22-1/2"



		Share Width	HP Req'd	Width of Cut	Max Work Depth	Wt	
Z6551	rear discharge	18"	10	19"	8"	297	

Ursa Vibrating digger (rear discharge) can be mounted on small tractors equipped with the Cat I three-point hitch.

The machine consists of a vibrating share with adjustable digging depth that transfers potatoes and soil onto the vibrating hopper sifting potatoes from the soil.

The digging depth is adjusted by rear support wheels. Sifting intensity can be increased by adjusting inclination of the sifting hopper.

All vibrating elements are moved by a crank mechanism driven from the tractor PTO shaft. Axes of the share and the sifting hopper are equipped with rubber bushings - simmerblocks which allow stability of the machine during operation. Its reduced dimensions enable to use the machine on small plots, flat and hilly areas.

Ursa One Row Vibrating Potato Digger - Cat 0/I 3-Point width = 21" / 27-1/2"



		Share Width	HP Req'd	Width of Cut	Max Work Depth	Wt	
Z655	side discharge	22"	10	20"	8"	539	

Ursa Vibrating digger (side discharge) is designed to harvest of potatoes, carrot and other root crops. Machine is recommended on small plantations on light soils, medium compactness soils without stony, and plant residuals. Simple construction, easy maintenance and service are the important advantages of this machine.

Two disc coulters cuts off the plants, dual share cut the ridge in the bottom part carrying it horizontally to the vibratory sifter. Two sifters, moving in opposite directions, removes the soil, puts the vegetables in the narrow rows along the machines. This arrangement ensures smooth working of the machine and makes crop of vegetables easier. It should be noted, that construction of the digger characterized by very low potatoes damage index.



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Upus One Row Conveyor Potato Digger - Cat I/II - with Rubber Tires



Rear Discharge		Row Spacing	HP Req'd	Width of Cut	Max Work Depth	Wt
Z656RC	w/rubber cover	25" - 27"	25	19"	8"	539

Upus conveyor digger - 1-row, 3-Point hitch, Cat II and driven by the tractor power take-off shaft. The machine is equipped with wheels (**metal** or **rubber**) with adjustment of ridge digging depth. Ridge with potatoes is dug by a properly arranged share, then passed to a sieving belt.

As a result of moving and shaking of the belt, the ridge is crushed and the soil is sieved through the conveyor bars with simultaneous passing of plant tuber / root dug towards the back of the machine.

At the back of the digger there is a properly profiled chute grate which directs the dug potatoes onto the ridge behind the digger. The chute grate allows for such placement of dug potato tubers to limit the damage by the tractor tires during the next passing.

The machine can be used on plantations with distance between rows: **25" to 27"**

The digger is equipped with conveyor belt with **rubber cover** to reduce tuber damage to a minimum. Rubber cover protects the potatoes (especially small size) against damage.

Upus Two Row Conveyor Potato Digger - Cat II/III - with Rubber Tires



Rear Discharge		Row Spacing	HP Req'd	Width of Cut	Max Work Depth	Wt
Z6564	w/rubber cover	28" - 30"	55	57"	8"	1518

- Z656-4 has 1 Conveyor Belt

Upus conveyor digger - 2-row, 3-Point hitch, Cat II/III and driven by the tractor power take-off shaft. For stable operation and transport, the digger is equipped with wide spacing road wheels.

Properly placed ploughshare digs two adjacent ridges and side coulters mounted in the machine cut off excess soil and lichen residues. Undercut ridge is passed onto the sieving belt.

As a result of moving and shaking of the belt, the ridge is crushed and the soil is sieved through the conveyor bars with simultaneous passing of plant tuber / root dug towards the back of the machine.

In the digger there is one sieving conveyor with **rubber cover** belt to reduce the risk of damage to tubers or roots dug to a minimum.

At the back of the digger, there are properly profiled chute grates which direct the dug potatoes onto the ridge behind the digger. The chute grates allow for such a placement of plant tubers / roots dug which reduces the possibility of damage to a tuber / root by the tractor tires during the next passing.

The Z656-4 can be used on plantations with distance between rows: **28" to 30"**



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