

# PERSONALE DRILL 13.17.21



NO-TILL



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Personale Drill differentiates itself in the market of agricultural machinery by allowing the selection of assembly components such as discs, furrowers, press wheel, depth gauge wheels, fertilizer and seed box, among others, with over 100 versions available, making you custom according to the needs of your planting.

Some features that make the Personalle Drill one of the best selling machines on the market are:

- The reservoir of seed and fertilizer can be manufactured in carbon steel or polyethylene box, with great durability and corrosion resistant
- Drive wheel, with hydraulic cylinders acting directly on the wheels, keeping constant pressure in any position, providing accuracy in distribution due to the tires that are always in contact with the soil, reducing the slip.
- The chassis is composed of three tubes. Two fixed on the front and one reversible in the back allowing pantograph and rice rows usage.
- It was designed with a retractable drawbar for ease in storage and transport. It has a spindle for coupling and leveling the drill.

Advanced technology combined with Semeato's tradition on building seeding drills, was put to use to develop this seeding machine that is more reliable, more accurate, and above all, more productive than others on the market today.



## DRIVE WHEEL

Articulated, with constant pressure at any position, maintaining accuracy in distribution forcing the tires to be always in contact with the soil, reducing the slip.



## TELESCOPIC SEED AND FERTILIZER TUBES

Seeds and fertilizer are delivery to the soil through telescopic tubes, which extend and contract in accordance with the movement of the rows. The coupling of the telescopic tube in the feed cup and rows is performed quickly and simple, fitting them on the nipples and attach them with clamps ©.



# FURROW OPENERS FOR FERTILIZER ROWS

## LARGE GRAIN SYSTEM

### OFFSET DOUBLE DISK



Offset Double Disk with ou without Gauge Wheel



Offset Double Disk

### OFFSET KNIFE



Offset Knife - 10 mm steam / Coulter Disk - 17"

### GUILLOTINE KNIFE ©



Guillotine Knife ©



Coulter Disk with Guillotine Knife



Articulated pantographic row  
with Guillotine Knife ©

### TRIPLE DISK



# FURROW OPENERS FOR SEED ROWS

The rows for small grains and large grains are articulated by pantograph system, which provide better uniformity in planting, following the rolling terrain.

The adjustment of cutting pressure of the seed rows precludes the use of tools, because it does not use a threaded spindle. The spring pressure is easily regulated by a lever, which positions the mechanisms articulated by setting the adjustment automatically.

The rice row uses the system of long tubular rows with an offset of 25 cm between the furrow openers.

## LARGE GRAINS ROW



## SMALL GRAINS ROW



## RICE ROW



## DEPTH GAUGE WHEEL AND PRESS WHEEL

Depth Gauge Wheel  
and  
Press Wheel in "V"



Two press wheels in "V" for furrow closing with lateral seed compaction, with spring action and adjustment of wheels opening angle

Working depth adjusted by two gauge wheels per row and adjustment of the wheels opening angle



# SEED AND FERTILIZER METERING

## SEED AND FERTILIZER BOX

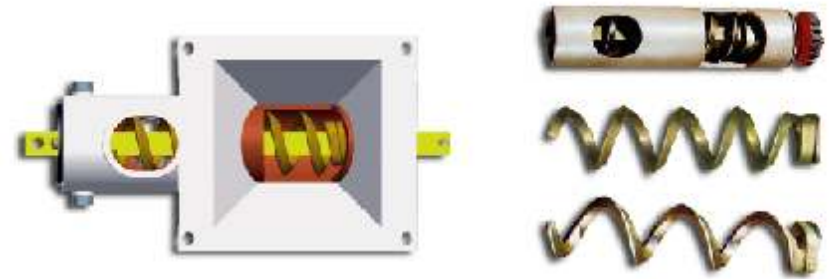
Produced in polyethylene with excellent durability, has a system of fertilizer distribution of auger metering and individual seed box.

It has an option of reversible carbon steel box with star feed wheel distribution and also a unique seed box, which allows better autonomy in the seeding moment avoiding continuum refilling.



## FERTILIZER METERING

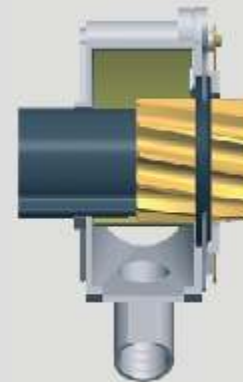
Auger metering system with augers of 3/4", 1" and 2"



## SEED METERING

### SMALL GRAINS

Fluted feed cup.



### LARGE GRAINS

It is performed through cell seed disks for soybean, corn, sorghum, beans, cotton and sunflower distribution

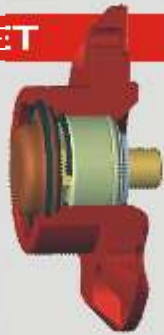


## NEW FEATURE

**NEW**

### FURROW BEARING SET

- Allows higher speeds to be more narrow and compact
- Have one double row angular contact ball bearing
- Less maintenance and free lubrication
- Longer life of the system



### ROW MARKER

Available models for PD 17 and 21, this row marker is developed with telescopic system in square shape, with reinforced structure and notched disk of 14".

The row marker activation is made through the hydraulic command, with inverse automatic valve.



## OPTIONAL ITEMS

### PASTURE BOX

It use rotor for pasture seed distribution. Allows seeding species like: clover, alfafa, canola and others small grains.



PASTURE BOX



PASTURE KNIFE

### NG PRESS WHEEL ©

Gently firms the soil around the seed, without compacting soil directly above. This process eliminates air pockets, avoids crusting and creates positive seed-to-soil contact. The pressure is adjustable by a spring and counterweight fixed on the wheel.

### MECHANIC HECTARE COUNTER

Mechanical counting of turns, which aided a table in the manual operator to control the planting area.



# TECHNICAL SPECIFICATIONS

MODEL		PERSONALE DRILL 13	PERSONALE DRILL 17	PERSONALE DRILL 21
Options of rows x spacings	Small grains	13 rows x 17 cm 06 rows x 40 cm 05 rows x 45 / 50 cm 04 rows x 70 cm	17 rows x 17 cm 08 rows x 40 cm 07 rows x 45 cm 06 rows x 50 cm	21 rows x 17 cm 09 rows x 40 cm 08 rows x 45 cm 07 rows x 50 cm
	Large grains	03 rows x 75 / 80 / 85 / 90 / 100 cm - -	05 rows x 60 / 65 / 70 cm 04 rows x 75 / 80 / 85 / 90 cm -	06 rows x 55 / 60 cm 05 rows x 70 / 75 / 80 cm 04 rows x 85 / 90 / 100 cm
Usable width		2,04 meters	2,7 meters	3,4 meters
Aproximate tractor power required (standard)		90 HP (offset knife) 75 HP (guillotine knife) 65 HP (triple disk) 65 HP (offset disk)	120 HP (offset knife) 96 HP (guillotine knife) 80 HP (triple disk) 80 HP (offset disk)	135 HP (offset knife) 108 HP (guillotine knife) 100 HP (triple disk) 100 HP (offset disk)
Tires		800 x 18 (12 ply rate)	9.5 x 24 (06 ply rate)	9.5 x 24 (06 ply rate)
Polyethylene seed box capacity (max.)		385 liters ~ 290 kg	752 liters ~ 564 kg	893 liters ~ 670 kg
Carbon steel seed box capacity (max.)		-	795 liters ~ 596 kg	930 liters ~ 697 kg
Polyethylene fertilizer box capacity (max.)		518 liters ~ 585 kg	970 liters ~ 1096 kg	1154 liters ~ 1304 kg
Carbon steel fertilizer box capacity (max.)		-	980 liters ~ 1108 kg	1148 liters ~ 1297 kg
Aproximate weight		2370 kg (small grains) 2480 kg (large grains)	3130 kg (small grains) 3310 kg (large grains)	3710 kg (small grains) 3840 kg (large grains)
Speed operation		6 a 8 km/h (soybean) 4 a 6 km/h (corn/maize)	6 a 8 km/h (soybean) 4 a 6 km/h (corn/maize)	6 a 8 km/h (soybean) 4 a 6 km/h (corn/maize)

Modelos	A	B	C	D	E	F	G
PD 13	3,08 m	2,33 m	1,70 m	2,27 m	2,70 m	1,89 m	2,04 m
PD 17	4,20 m	2,33 m	1,78 m	2,27 m	2,70 m	1,89 m	2,72 m
PD 21	4,98 m	2,33 m	1,78 m	2,27 m	2,70 m	1,89 m	3,40 m



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We always make every effort for the continuous development of our products.  
We may eventually make technical changes without notice, after making this.

International Marketing Department

May / 2010

