

PowerTill 1000



PowerTill 1000

Power harrow



Seedbed preparation

Power harrows have a lot of advantages for making seedbed preparation:

- Soil is worked totally on all the working width and reconsolidated in one pass
- This machine is suitable for all kind of soil
- It can be use after plough or in minimum tillage
- Power harrow is really adaptable for heavy soil where the seedbed can be achieved in one pass
- Preparing the seedbed for even germination
- It provides a good surface of the soil to avoid erosion
- Seeds are placed in a warm and consolidate soil
- Rotor speed is adjustable to suit many different soil types

Seed drill combination Kongskilde NS4100 and front tank

Especially made for farmers and contractors who want precision and performance

- Tractor lifting capacity reduce due to position of NS 4100 tanks, or for more options look at the NS1500/1900 front tank option
- Seeding depth control precisely due to coultter section fitted directly on the roller
- Quick coupling



Quick coupling of coultter module on rear roller.



Quick coupling of NS4100 tank



Top connection between coultter section and tank with adjustable top link, allowing level adjustment of coultter module,



Parallelogram geometry of coultter section coupling. It is not necessary to adjust coultter section position when changing working depth.



Kongskilde NS1500/1900 front tank gives a really good balance for the whole combination.



Quick fit tines

- Twisted tine section 100 X 16 mm
- Length: 320 mm
- Carbide version available as an option
- Exchangeable lower rotor flange
- Pin with semi-hexagonal head integrated in rotor flange
- Rubig pin integrated in lower rotor flange

- Bearings fitted below gear wheels so they are always lubricated
- Double oil seal
- Integrated bottom rotor lip

Frame

- Welded box concept
- Extremely rigid
- Made for drill combination

Rotors

- 4 rotors per meter
 - Less power consumption
 - Outside rotor collecting soil inside of the machine
- Forged rotor in one piece for maximum strength
- Rotor shaft diameter: 60 mm
- Fitted on taper roller bearings with large distance between upper and lower bearings
- Top gear wheel fitted inside of top bearing

Hitch and topmast

- Topmast with integrated bracing
- All hitch pin cannot turn
- Hitch cat. 2 on 3.0m working width and cat.3 on 3.5 and 4.0m
- Floating lower bracket
- Predisposed to receive:
 - Hydraulic combi hitch
 - MASTERLINE compact seed drill
 - NS4100 compact pneumatic seed drill
 - NS 1500/1900 front tank



Topmast with integrated bracing.



Hitch pin cannot turn.



Floating lower bracket.



Rubig pin integrated in lower rotor flange.



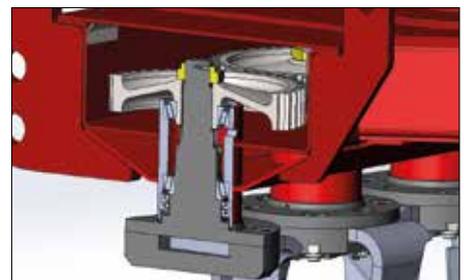
Pin with semi hexagonal head which cannot turn.



Removal of tine retaining pin which secures the tine



Removal of the tine.



Strong rotor and gear case.



Gearboxes

- For tractor up to 250 HP
- Fitted in rear position to have optimum angle for PTO shaft
- Lever version with 2 speeds from lever with possibility to get more speed by shifting rear pinions
- Selectatilt version 2 speeds by reversing rear pinions
- Rear PTO as standard equipment
- PTO shaft with automatic clutch from WALTERSCHEID

Side deflectors

- Height adjustable by only 1 pin
- 2D stone protection
 - o It can move side ways if a stone is coming between rotor and side deflector
 - o It can also move from front to back if there is obstacle in front
- Foldable for road transport



SELECTATILTH gearbox.



Lever change gearbox.



Side deflector can move from front to back.



Side deflector in road transport position.



Rear leveling board

- Standard equipment
- Easy and precise adjustment with the 2 handles
- Fitted on roller arm to avoid extra adjustment when changing working depth
- Suspended with rubber bumper acting as security.

Hydraulic combi hitch

- Standard version with 1.5 tons lifting capacity
- Heavy duty version with 3.5 tons lifting capacity
- Seed drill is close coupled to the tractor when lifted to reduce tractor lifting capacity

Track eradicator

- Easy depth adjustment
- Adjustable stone release force
- Reversible share 6.5 cm wide
- Fitted directly in front of the main frame



Rear leveling bar fitted on roller arm.



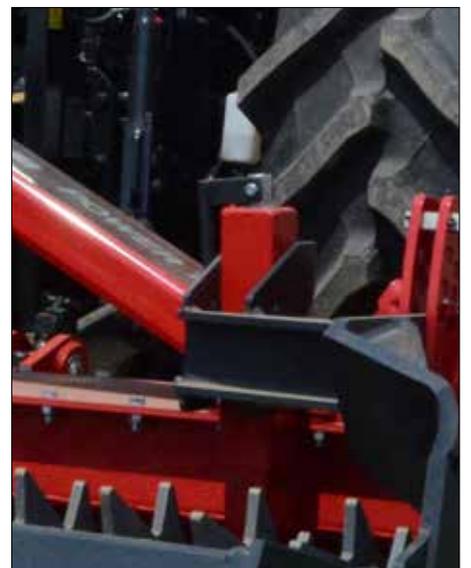
Heavy duty hydraulic combi hitch 3.5 tons lifting capacity.



Heavy duty hydraulic combi hitch with MASTERLINE seed drill.



Track eradicator with double spring.



Height adjustment by spindle and suspended on rubber bumper.



Performing drill combination

The POWER TILL combine with mechanical seed drill is a powerful drill combination, either with ECOLINE or PROFILINE and hydraulic combi hitch, which also allow a quick combination with a planter, mainly for farmers who want to use for both wheat and maize drilling. The coupling with MASTERLINE gives a compact solution.

MASTERLINE

Simple and compact

- Coupling MASTERLINE with POWER TILL is extremely easy and quick
- Precise control of seeding depth due to position on the roller
- During drilling, the MASTERLINE is supported by the roller which gives the possibility to lift to the POWER TILL without weight of seed drill.

- When lifting the complete combination, then the weight of the seed drill is transferred directly to the topmast of the POWER TILL without any stress for the main frame.

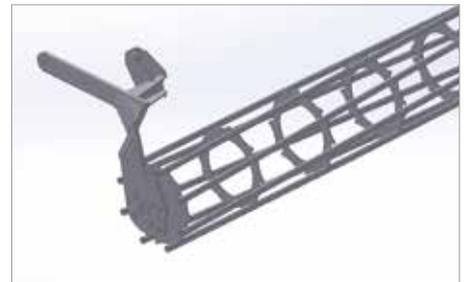




Working depth control

- Simple and precise adjustment by choosing the right position of the square pin corresponding to the chosen working depth
- By cage roller diameter 550 mm
 - o Ship solution
 - o Open soil
 - o Made for dry and light soil
- By VIBROPACK roller diameter 570 mm
 - o Vibrating blade for self cleaning
 - o Blade spacing: 125 mm
 - o Prepare furrow for seeding where seed will be place on reconsolidated soil
- o For light to medium soil

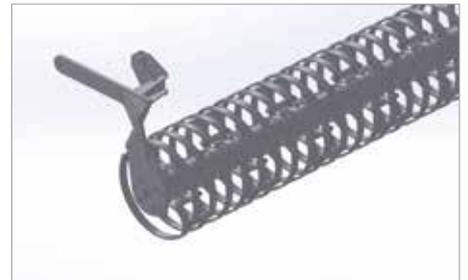
- By MAXPACK roller diameter 550 mm
 - o Flange spacing: 125 mm
 - o Prepare furrow for seeding where seed will be place on reconsolidate soil
 - o For dry and heavy soil
- By Tooth packer roller diameter 550 mm
 - o Universal roller for all types of soil
 - o Carbide scraper as optional equipment
 - o Central and individual scraper adjustment
 - o Plate reinforcement below scraper bar
- By tires roller diameter 520 mm
 - o Tire without pressure for self cleaning effect
 - o For light to medium soil



Cage roller.



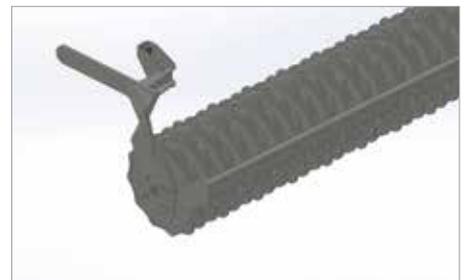
Tires roller.



VIBROPACK Roller



Tooth packer roller.



MAXPACK roller.



Technical Specifications

Standard	Accessories
<ul style="list-style-type: none"> Working with: 3.0 / 3.5 / 4.0 m For tractor up to 250HP 4 rotors per meter Tines thickness: 16 mm Tine length: 320 mm Forged rotor shaft in 1 part diameter 60 mm fitted in taper roller bearing with high spacing Lever change or SELECTATILTH gearbox PTO shaft with automatic clutch from WALTERSCHEID Frame box design with high clearance Heavy duty topmast made to receive heavy seed drill Rear leveling bar Floating hitch cat. 2 or 3 Side deflector 2D security with quick adjustment 	<ul style="list-style-type: none"> 5 different types of rollers: <ul style="list-style-type: none"> Tooth packer diameter 550 mm Cage diameter 550 mm VIBROPACK diameter 570 mm MAXPACK diameter 550 mm Tire diameter 520 mm Front leveling bar (optional) Track eradicator double spring (optional) Hydraulic combi hitch 1.5 tons capacity Hydraulic combi hitch 3.5 tonnes capacity

Model	Working width (m)	Qty of tines	Rotor RPM at 1000 rpm from PTO	Weight (kg)	For tractor from (HP)
PowerTill 3000S	3.0	24	283/377	1500	80
PowerTill 3500S	3.5	28		1750	90
PowerTill 4000S	4.0	32		2000	100
PowerTill 3000L	3.0	24	292/384	1500	80
PowerTill 3500L	3.5	28		1750	90
PowerTill 4000L	4.0	32		2000	100

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