

Kverneland NG-S 101 F35
Foldable Power Harrow



Foldable Power Harrow for optimum seedbed preparation



Kverneland NG-S 101 F35

for effective large scale seedbed preparation
and crop establishment



The Kverneland Foldable Power Harrow NG-S 101 F35 is the result of effective cooperation between cultivation and seeding experts to construct a “state of the art” strong and effective implement designed for tractors up to 350 hp and optimum performance.

The new power harrow is available in working widths of 4.0 to 6.0 m.

The foldable power harrow has the same heavy-duty self-supporting trough design as used on the mounted models and is

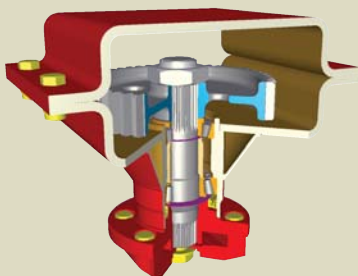
equipped with the same robust conical bearings and hardened gears.

This together with a heavy-duty headstock and robust transmission system together with a new parallel linkage design guarantees years of effective and trouble free operation.

The NG-S 101 F35 is built for easy integration with the Kverneland Accord seeding system DF2 front hopper.

The complete combination construction provides a robust and effective cultivating and seeding unit with easy control of all operational functions from the tractor seat.

The power harrow can be equipped with a choice of rear roller and can be combined with Kverneland Accord seeder coulterbars together with the DF2 front hopper. As an option, a hydrolift system is available in order to combine the power harrow with a precision seeding unit.



Heavy duty trough construction

The upper half of the trough is made from 10 mm steel plate. In order to give the NG-S 101 F35 the strongest design and to enable it to withstand the toughest of conditions, the trough base is also made from 10mm steel plate. The welded conical bearing housings give highest strength to the overall trough.

The heavy duty tine carrier shafts are 60mm diameter with the conical bearings dimensioned large enough to cope with tough and stony conditions.



Easy control of hydraulic functions

When combined with a Kverneland Accord DF-2 coulter bar, all hydraulic functions are centralized on the power harrow's headstock. The valves are protected by a metal cover. A control panel allows the operation of 5 different functions from the tractor cabin - using just one double acting hydraulic oil supply via the tractor spool. Also available in load sensing version.

Depending on the ground contour, the power harrow can be operated either in floating mode or rigid position. This function is selected via the control panel in the tractor cabin and may be changed to either a floating or rigid position.



An innovation for precise placement of seeds

Rear rollers are linked to the power harrow via parallelograms ensuring the roller frame to remain in the same working position when changing the working depth of the machine - a positive advantage when combining the power harrow with a DF-2 coulter bar: The coulter bar is fitted directly to the roller frame. Once adjusted, constant sowing depths are maintained.



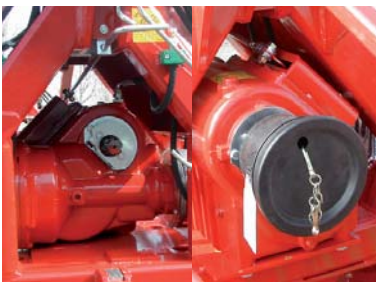
The working depth is changed hydraulically from the tractor seat whereas maximum depth is set by spacer shims. This allows the operator to lift the power harrow in case of passing wet or stony areas in the field without raising the coulter bar.

Details:



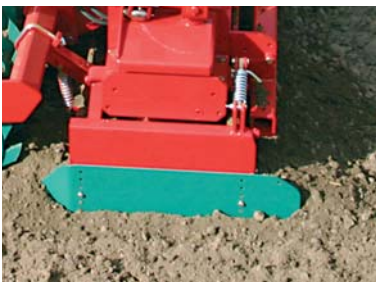
Quick-Fit™ tine

To meet customers' demands of reduced downtime the machine is equipped with Quick-Fit™ tines. The tines are simply fixed to the tine holder by a pin and a clip. All tines can be quickly replaced without any tools.



3 Speed Lever Gearbox

Rotor speeds can easily be changed at the robust central lever gearbox. 3 speeds from 246 to 387 are conveniently adjustable by an easily accessible lever.



Side deflector with parallelogram

With its unique parallel guided linkage, the side deflector can move up and down, following ground contours. If stones are trapped between deflector and outer rotor, the deflector can open via coil spring overload protection.



4 rotors per metre

As with all other power harrows from Kverneland, the fold model works with 4 rotors per metre. Optimum tillage performance and low horse power consumption is achieved by the closer inter-tine carrier distance of only 25cm, which results in 8 tines per metre working width. In addition, the helical tine configuration produces perfect results with a level finish.



Track marker arms with overload protection

The track marker arms are fitted directly to the trough of the power harrow. Overload protection is ensured by means of shear bolts.



Levelling bar

The levelling bar is fixed to the packer roller beam. Thus it is always positioned in the correct height; no adjustment is needed when the working depth is changed. The position of the bar is fixed by pins, the height can be changed by spindle adjustment. A coil spring prevents overload.

Technical Specifications:

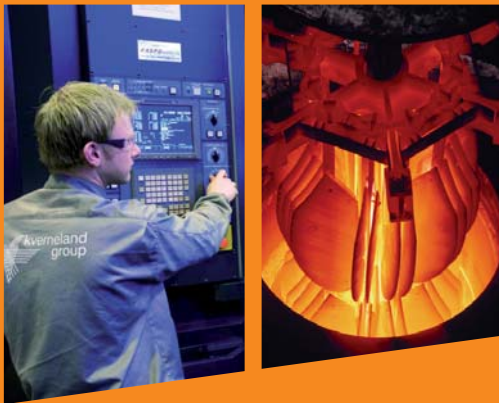
Specifications	NG-S 401	NG-S 451	NG-S 501	NG-S 601
Working width (m)	4.00	4.50	5.00	6.00
Transport width (m)	2.90	2.90	2.90	2.90
Number of rotors	16	18	20	24
Weight with packer roller (kg)	2800	3050	3500	3900
Weight with cracker roller (kg)	3000	3200	3730	4170
Max. tractor horsepower	350			
Overload protection	2.5 kN torque limiter in lateral drives			
PTO speed	1000 rpm			
Rotor speed	246, 326 or 387 rpm + neutral position			

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Wide in operation - narrow in transport





Kverneland Group

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package of systems and solutions to the professional farming community. The offering covers soil preparation, seeding, forage- and bale equipment, spreading and spraying.

Original Spare Parts

Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance - whilst ensuring a low cost life-cycle. High quality standards are achieved by using innovative production methods and patented processes in all our production sites. Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.



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