

RANGE SPER81 | SPERW8

SEMI-MOUNTED REVERSIBLE PLOUGHS FROM 6 TO 10 FURROWS



FOR TRACTORS FROM 100 TO 250 HP

SPER81

Semi-mounted reversible ploughs

From 6 to 8 furrows | Adjustable working width by bolts

The SPER 81, profits from the whole of the technological profits of Varilibre.

This plough is designed to combine, the technology of the VARILIBRE by offering a great simplification of use.

The SPER81 offers an adjustment of working width from 12 to 20", a reversal system by double cylinders and excellent ground contour following.



Hitch

Fixed cat. With the same lifting bar
Linkage pins in a clevis



Pivoted headstock

110° turning angle
Manoeuvrability and headlands shortened.



Double cylinder turnover system

Smooth use, no shocks during turnover

Movement can be reversed or stopped at any time without risk
Articulated rear wheel can be steered

Option :

Rack-and-pinion turnover system with or without weight transfer control.

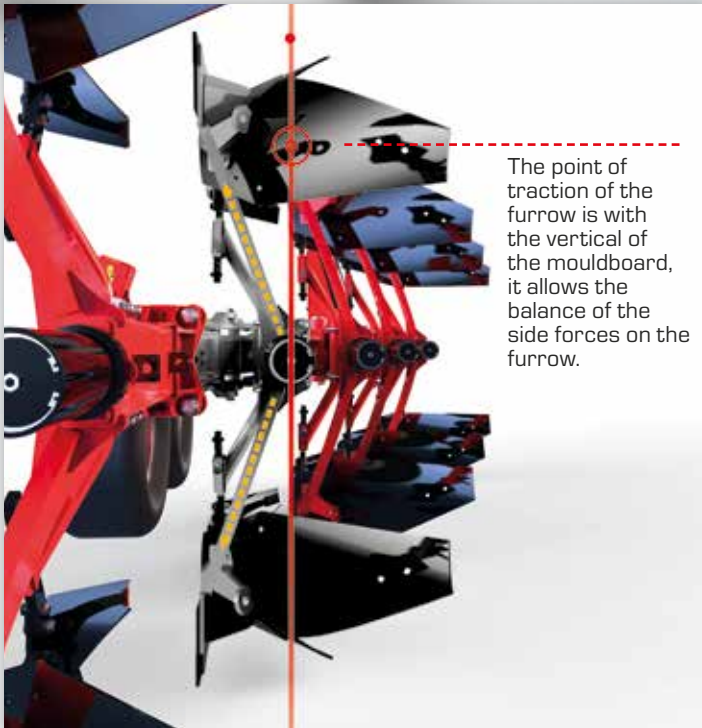
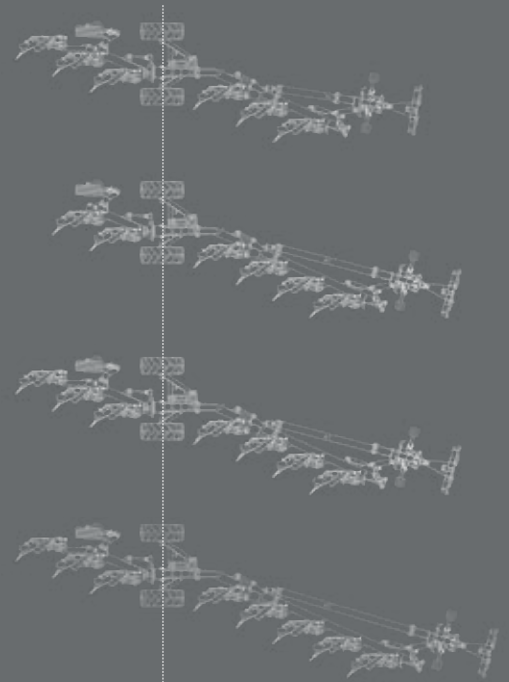


From 6 to 8 furrows

Hydraulic bogie assembled on hydropneumatic suspension

Adjustable work width: work width from 12 to 20 "

Articulation of the frame Front/Rear in automatic Lock/Unlock



The point of traction of the furrow is with the vertical of the mouldboard, it allows the balance of the side forces on the furrow.

Offset elements

Wheel position optimized.

- Less pressure on landside = less power needed
- Lateral forces reduced
- Wearing parts reduced

Equal forces :

- On furrows
- On safety device ball bearings



Adjustable working width

5 working width : 12-14-16-18-20"

Adjustable working width (multi-position element support bracket).

Bolt goes through the spacer :

- Controlled tightening
- Prevents damaging the bolt

Simplicity, facility and speed of adjustment.

SPER81

Plough from **6 to 8 furrows** for ploughing in furrow **with mechanical articulation on rollers**










Mechanical articulation on central carriage

Excellent ground contour following, transport lock

Hydraulic connections	Direct to the tractor	Through hydrl. function selector	Through electronic management
	3 spool-valves	3 spool-valves	3 spool-valves
Turnover			
Lift of central carriage			
Front furrow adjustment (offset)			



Technical specifications

						
SPER81, varilibre						
100 Hp	180×180 mm	6	170 ou 180 cm	100 cm	B, X, Y, Z	12" à 20"
140 Hp		7				
180 Hp		8				

Weights and HP requirements only indicative, subject to variations following options and type of soil.

SPERW 8, the VARILIBRE

Semi-mounted reversible ploughs

From 7 to 10 furrows | Hydraulic adjustable working width

The VARILIBRE is without any doubt the most technological semi-mounted plough on the market.

The study of the forces on the furrow led our engineers to re-examine the kinematics of the beams.

System VARILIBRE, the alliance of the common sense and technology.

The concept: To draw the furrow by a point of pivot, with the whole of the side forces which balance to plough straight.

The constraint: to change the position of the traction point in the furrow.

Profits: of traction, consumption, optimization of the wearing part.



Hitch

- IIN, IVN or Quick Coupler III or IV in option
- Fixed, linkage pins in a clevis
- Optional depth wheels

Element of independent work

- 110° turning angle
- Manoeuvrability and headlands shortened
- Hydraulic weight transfer control (optional equipment, Gregoire-Besson patented): optimal traction power.

Rack-and-pinion system

- Smooth use, no shocks during turnover
- Movement can be reversed or stopped at any time without risk
- Articulated rear wheel can be steered
- Gregoire-Besson exclusivity
- Reliability proven during several world records
- More than 15 000 units already in service
- Constant turnover speed



01 Natural alignment of the elements in the direction of the ploughing

- No useless lateral confining pressures.
- Reduction of the landside wear rate.
- Reduction of the power of traction necessary for a furrows equivalent number.

02 Natural avoiding obstacles

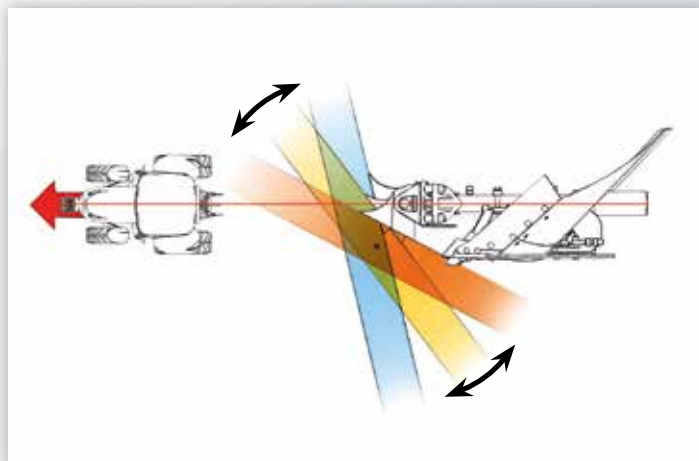
- Less stone hauled.
- Increased handiness as well with work as with transport.

03 Adaptation of the work width

- Versatility of the plough according to the power available.
- Versatility of the plough according to the climatic conditions and the soil.
- Ex: in 8 furrows, one ploughing of 2,40m in 12" with 4,10m in 20".

04 The last furrow erases the side wheel.

- Rear wheel not overflowing.
- Large choice of tire until 845mm of diameter on wheel RTT10.



Element of independent work

The orientation of the frame acts directly over the furrow work width which are aligned in the direction of advance.

The bodies can be completely free and independent, or to be free and interdependent by a rod.

180x180 frame for tractors from 100 to 250 Hp



Balance side forces

The pivot point of the furrow is with the vertical of the mouldboard, it allows the balance of the side forces on the furrow.



Complete raising of the rear frame

Allows to adapt the plough to the working conditions.

Thus it is possible to raise rear furrows completely (ploughing in hillside, end of the field, difficult passages).

Transport this articulation ensures the hydraulic direction of the carriage wheels.

SPERW8, VARILIBRE

Plough from **7 to 10 furrows** for ploughing on land and/or in furrow with **hydraulic articulation**

Hydraulic articulation

Excellent depth control even on sloping grounds

Possibility to work with front plough only :

- on slopes
- in hard conditions

Shortened starts on headlands








Transport lock



Hydraulic connections	Direct to the tractor	Through hydrl. function selector	Through electronic management
Turnover	4-5 spool-valves	4-5 spool-valves	4-5 spool-valves
Lift of central carriage			
Front furrow adjustment			
Lift / articulation of rear frame			
Hydr. weight transfer control (option)			



Technical specifications

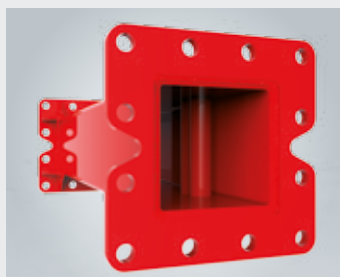
						
SPERW8, varilibre						
140 Hp	180×180 mm	7	170 ou 180 cm	100 cm	B, X, Y, Z	12" à 20"
180 Hp		8				
220 Hp		9				
260 Hp		10				

Weights and HP requirements only indicative, subject to variations following options and type of soil.

SPER81 | SPERW8 | SPHRW8

Semi-mounted reversible ploughs from 6 to 10 furrows

High-quality finish



Bolt goes through the spacer

- controlled tightening
- prevents damaging the bolt
- 180×180 frame



Pivot points bushed



Function selector



Equipment

- disc coultter
- trashboards



Front gauge wheels

- equipment for on-land ploughing.
- adjustable depth wheel
- on land version (SPHRW8).

SPER81 | SPERW8 | SPHRW8

Semi-mounted reversible ploughs from 6 to 10 furrows

Knowledge and experience allows Gregoire-Besson to position itself as the market leader in big semi-mounted ploughs.

The range extends from 6-10 body.



Choice of hydraulic connections

- Direct connection to the tractor
- Connection through hydraulic spool-valve (3 or 4 functions)
- Time-controlled headland management

Front furrow adjustment (offset) with scissor action

- Possibility to slip the first furrow
- Total obliteration of the first body.



Easy handling



Articulated frame

Central articulation

- Excellent depth control even on sloping grounds

Available in two versions

- standard : with mechanical roller articulation (SPSF, SPSL)
- with hydraulic articulation (SPHF, SPHL, SPEF, SPEL)

Central carriage control during manoeuvres

Possibility to work without rear bodies (rear plough lifted)

Power control in all circumstances

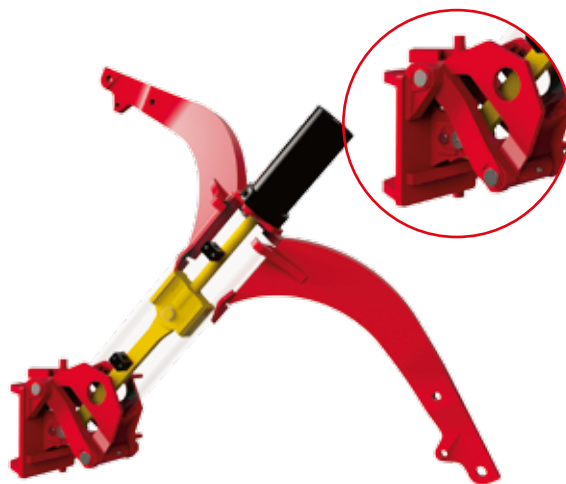
Hard conditions

SAFETY DEVICE TYPE B



- 2 x shearbolts
- Pivot point positioned vertically from the point
- Choice of shearbolt strength : 8.8 or 10.9

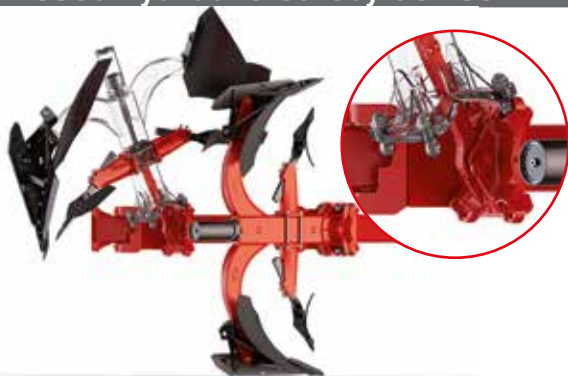
SAFETY DEVICE TYPE X



For extreme conditions, system without lateral tripping

- Point pressure capacity from 700 to 2800 kg
- Ground clearance : 78 cm

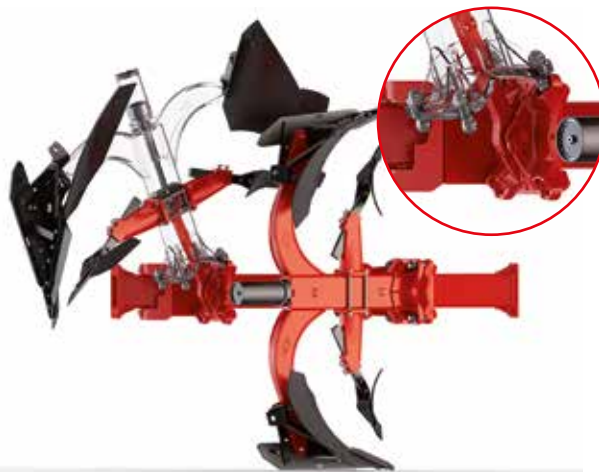
Auto-reset hydraulic safety device Y



Gregoire-Besson exclusivity

- Mounted on 4 independent ball bearings allowing both vertical and lateral movement
- Point pressure capacity from 620 to 1600 kg
- Articulation axle assembled with grease fitting
- Mounted on double linking rods, ground clearance : 85 cm

Auto-reset hydraulic safety device Z



For very hard conditions

- Resized interaxle to increase point pressure capacity (700 to 2800 Kg)
- Ground clearance : 70 cm



Genuine Gregoire-Besson wearing parts

The simplest way to achieve high output

For its wearing parts, Gregoire-Besson uses the best technologies to reach higher quality.

Parts are designed to be easy to pull, long-lasting, to ensure penetration and lead to top-of-the-range ploughing. The wearing parts of origin Gregoire Besson profit from a heat treatment for a long use.

Genuine Gregoire-Besson wearing parts : use what you have paid for !

Example : Genuine Gregoire-Besson 3-holes point : "2 Kg purchase, 400g junk, 80% used !"

REINFORCED SHARE / CARBIDE

Reinforced share

Genuine reinforced share allowing ploughing where appropriate



REVERSIBLE LANDSIDE

4 positions

for an optimal use

Wearing plate to improve landside long-lasting



3-HOLES POINT / CARBIDE

4 positions

for a material optimal use (specific to Gregoire-Besson)

Easy to pull and less aggressive, the point is well adapted to stony conditions



SELF-SHARPENING BAR POINT

- ø 35 x 35 mm as standard equipment
- **Adjustable and reversible**
- Makes it possible for the point to penetrate into the soil deeply, independently from the share



MOULDBOARDS

Large choice to suit all conditions..

Short or long, plain or slatted, helicoidal or cylindrical



Cylindrical mouldboard



Helicoidal mouldboard



Slatted mouldboard



Plastic mouldboard

SKIMMERS

To choose according to the quantity of plant residues to be ploughed in.



Maize skimmer



Mixed skimmer



Pasture skimmer



Universal skimmer



A l'épreuve du temps

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