PÖTTINGER SERVO

Mounted ploughs

Find out more online!

97+210.02.0911

PÖTTINGER

SERVO

Mounted ploughs – non-stop ploughing

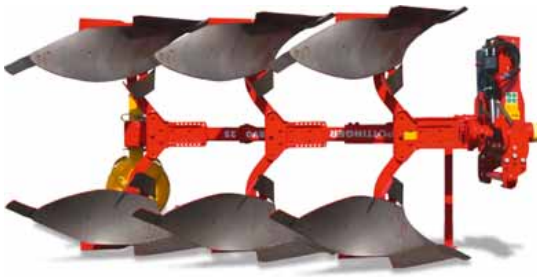
In many cases the plough is still the piece of equipment that fits the bill. In the case of tight crop rotation it is the plough that creates secure conditions for crop growing. Even when there is increased pressure from pests (e.g. slugs and snails), disease (e.g. fusarium in wheat after maize) or weeds (couch grass) the plough helps to ensure cost-effectiveness.

Some nutrients and trace elements (e.g. phosphorus and molybdenum) are not water-soluble. For this reason it is essential that they are transported to deeper layers of soil. For these reasons Pöttinger is working single-mindedly on developments to the plough.

SERVO

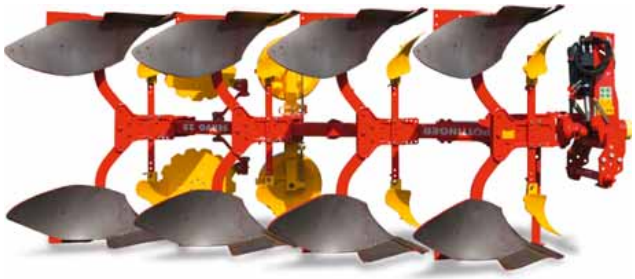
Traktor	kW	37	59	74	81	88	96	103	110	118	125	147	162	176	199
	hp	50	80	100	110	120	130	140	150	160	170	200	220	240	270
SERVO 25		2-furrow													
			3-furrow												
			4-furrow												
SERVO 35			3-furrow												
				4-furrow											
					5-furrow										
SERVO 35 plus			3-furrow												
				4-furrow											
SERVO 35 S					4-furrow										
						5-furrow									
							6-furrow								
SERVO 35 S plus					4-furrow										
						5-furrow									
SERVO 45							4-furrow								
								5-furrow							
SERVO 45 plus							4-furrow								
								5-furrow							
SERVO 45 S								3-furrow							
									4-furrow						
										5-furrow					
											6-furrow				
SERVO 45 S plus									4-furrow						
										5-furrow					
											6-furrow				

Mounted reversible ploughs for every tractor



SERVO 25 – 2 / 3 / 4 furrows

SERVO 35 – 3 / 4 / 5 furrows, SERV



SERVO furrows

O 35 S – 4 / 5 / 6 furrows

SERVO 45 – 4 / 5 furrows, SERVO 45 S – 3 / 4 / 5 / 6 furrows

SERVO plus

SERVOMATIC

SERVO

The only accurate control centre

Correct plough settings mean perfect, satisfying ploughing.

With Pöttinger, the plough is simply and easily adjusted to tractor and soil conditions using the SERVOMATIC setting system.

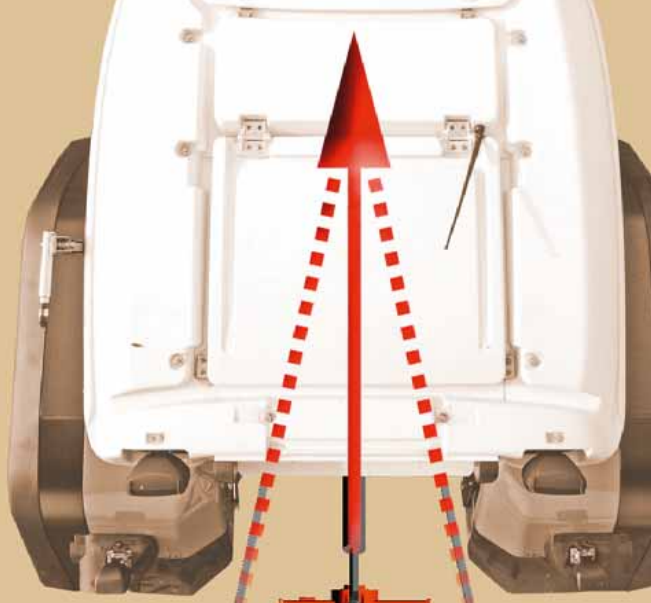
This system brings particular benefits to large farms, machinery rings and machinery cooperatives.

It's unique...

- Front furrow width and pulling point are adjusted separately with ease and precision. The two functions do not influence each other; no need for corrective adjustment. A few simple adjustments and the plough is set correctly the first time.
- The wide, infinitely variable range allows rapid setting for all conditions.
- Optimum pulling point adjustment guarantees low landside pressure, giving less wear and low fuel consumption.
- Turnbuckles with anti-twist locks allow easy, accurate plough setting.

SERVO plus

The right setting:

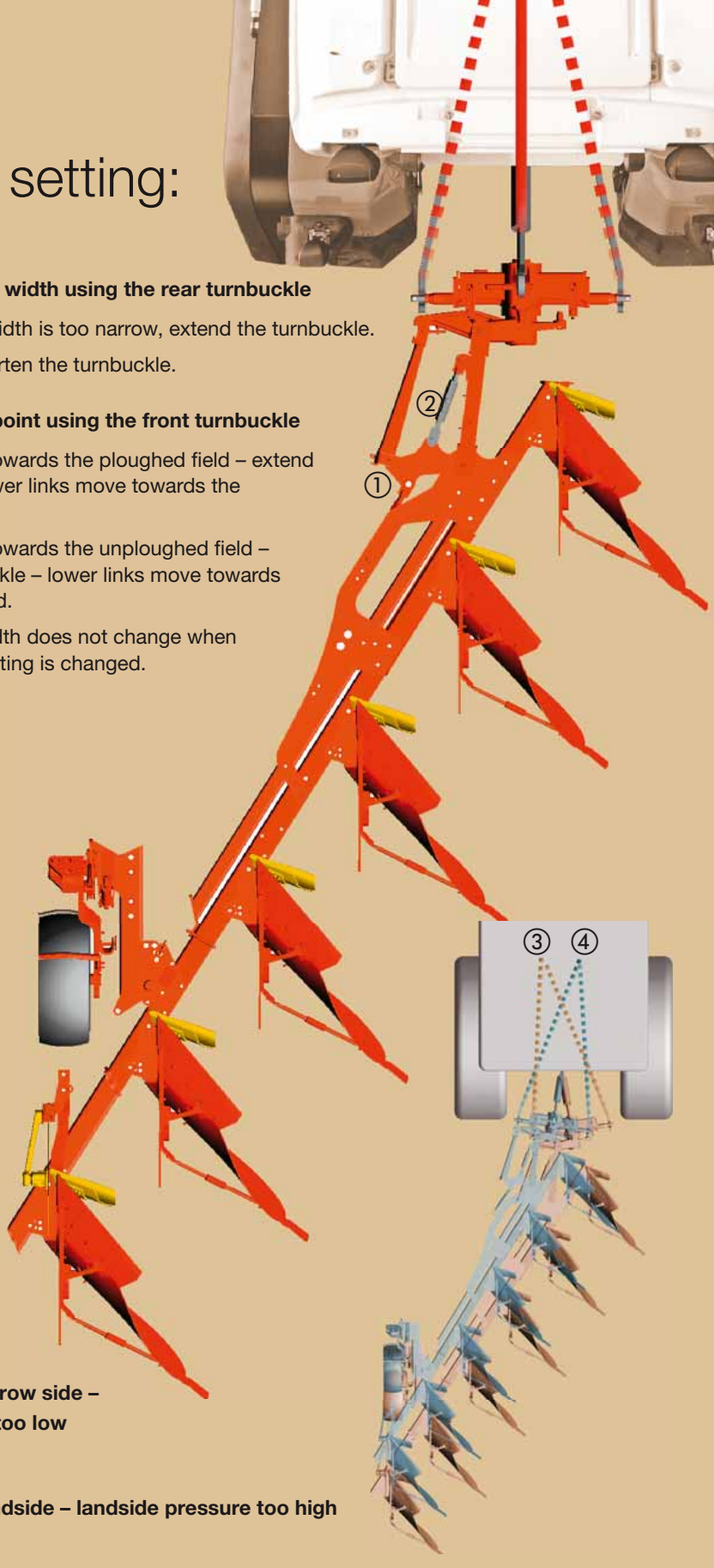


❶ Adjust front furrow width using the rear turnbuckle

- If the front furrow width is too narrow, extend the turnbuckle.
- If it is too wide, shorten the turnbuckle.

❷ Adjust the pulling point using the front turnbuckle

- If the tractor pulls towards the ploughed field – extend the turnbuckle – lower links move towards the ploughed field.
- If the tractor pulls towards the unploughed field – shorten the turnbuckle – lower links move towards the unploughed field.
- The front furrow width does not change when the pulling point setting is changed.



❸ Pulling point on furrow side – landside pressure too low

- poor tracking

❹ Pulling point on landside – landside pressure too high

- high wear

SERVO plus

SERVO plus – intelligent adjustment technology

Different working conditions and soil structures require different tractive powers.

With hydraulic SERVO plus furrow-width adjustment the plough is always precisely matched to soil conditions.

Optimum tractor efficiency and ploughing at all times.

- The SERVO plus-system is designed to allow hydraulic furrow-width adjustment during ploughing. The hydraulic cylinder has a check valve so that the hoses are not under pressure during ploughing.
- All additional adjustments adapt to it automatically.
- Optimum adaptation to tractor power, hillsides and field shapes.
- Easy ploughing of tight corners and headlands.
- Optimum fence-line ploughing from three furrow models and above.

- Important pivot points have wear-resistant, replaceable spring-steel bushes for the highest pressure demands, and the pivot points can be lubricated.

Infinitely variable adjustment

Furrow-width adjustment without wandering lower links – unique

- Fine adjustment gives unique, 100% basic adjustment to varying tractor lower linkage dimensions which deviate greatly from the norm – power class up to 150 HP.
- Furrow-width adjustment is accompanied by 100% adjustment of front furrow width and pull line. The lower links stay parallel with no side pull – essential for a straight furrow. Consistent landside pressure at all furrow widths.
- Memory cylinder technology for two functions (option): Beam pivot system and furrow-width – the plough is pivoted and rotated, then readjusted to the preselected furrow width.

SERVO plus adjustment system with parallel control linkage and pivot point located outside the frame

- Long adjusting lever means low force needed to make adjustments.
- Protects the parallel linkage and pivot points.

NONSTOP ploughing on stony soils

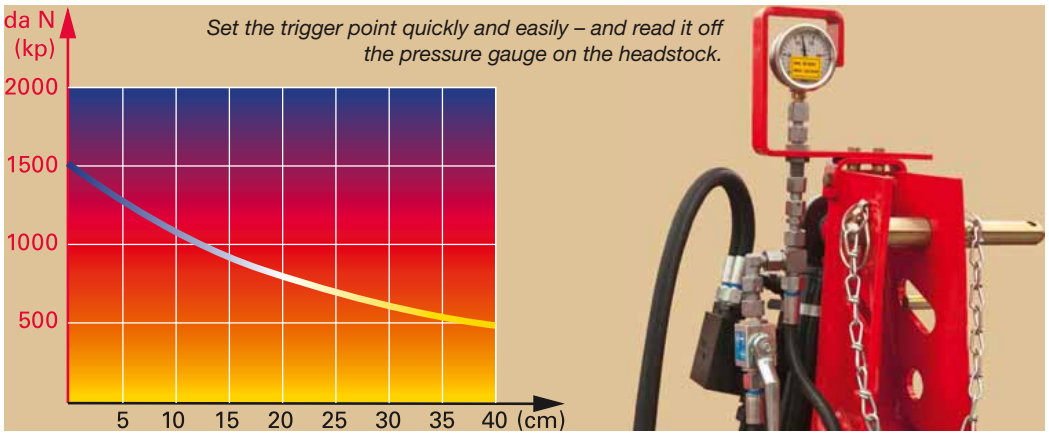
SERVO nova ploughs with stone protection give maximum reassurance.

Guaranteed protection even on stony soils.

Non-stop ploughing

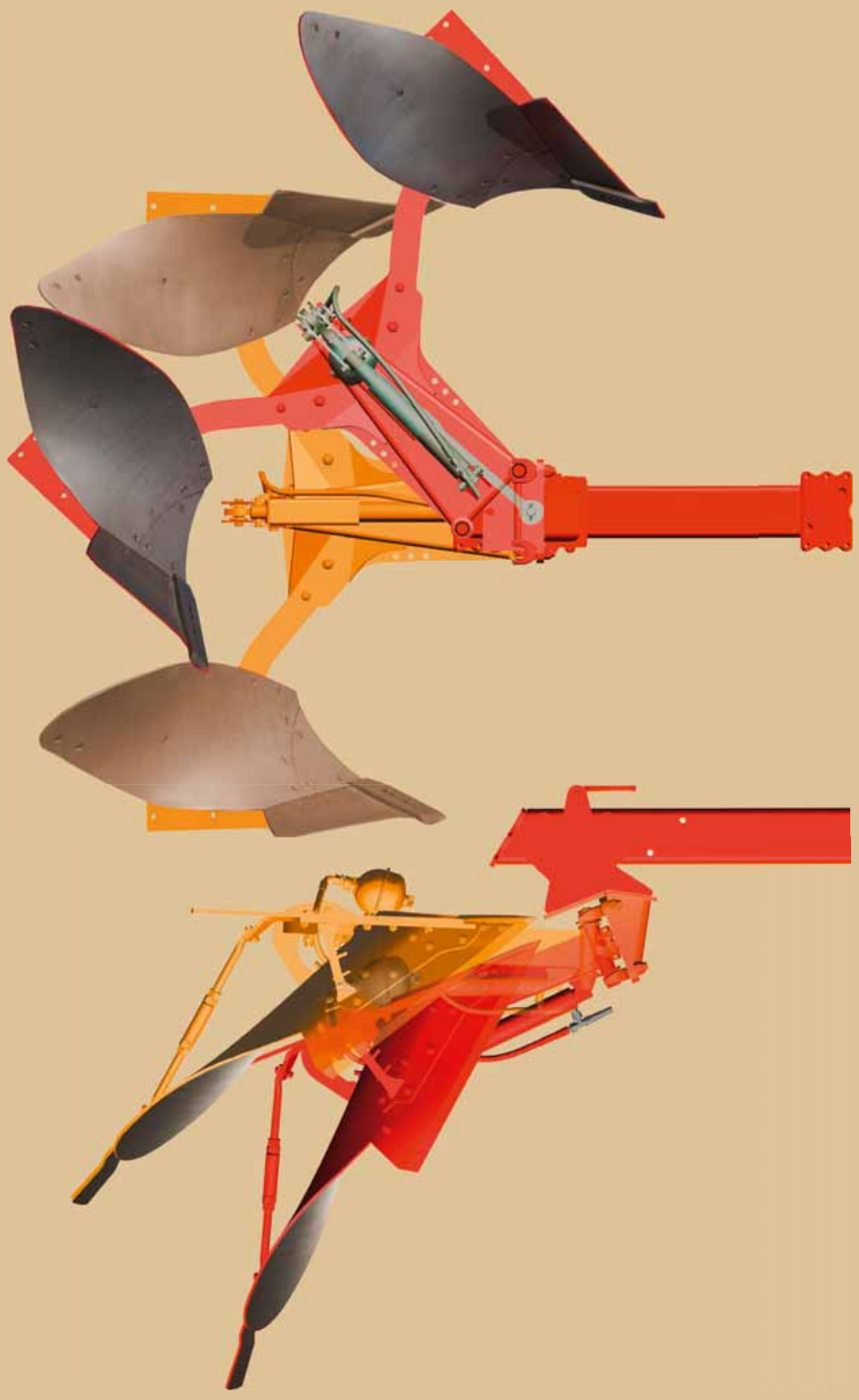
Indirect triggering

- This system has a very clever triggering pressure system: The leg does not trip until the set resistance has been reached. Then the pressure required to trigger the leg reduces as the leg rises. This protects the whole plough.
- On re-penetrating the soil, the pressure increases – for reliable penetration on heavy, dry soils.



Set the trigger point quickly and easily – and read it off the pressure gauge on the headstock.

SERVO nova



Hydromechanical stone protection – so the stones don’t grow!

- With its variable hydraulic triggering pressure, the ”nova system“ tailors the plough to different soil types.
- Each pair of plough bodies has its own hydraulic accumulator which allows upward or lateral movement by up to 15.7" / 400 mm.
- The lubricated pivot points and additional shear bolts guarantee a long service life.
- Central adjustment is standard in all SERVO nova ploughs.
- Smooth, flexible triggering protects both plough and tractor.
- The gas accumulators are mounted on the inside of the plough legs for protection.
- Spring-mounted disc coulters roll over rocks without the risk of damage.

SERVO 25

The stable light-weight up to 120 hp

SERVO 25 – the lighter range for use with tractors up to 120 HP.

Headstock

- The forged moulded headstock continues under the reversing axle, for greater stability.
- A dual-action turn-over cylinder with check valve is standard; hoses are not under pressure during ploughing.
- Three top-link positions, including a slot for faster penetration and lower link sensing.

SERVO 25 – entry-level range, 2 – 4 furrows	
Furrows	2 / 3 / 4 (3+1)
Plough-beam in / mm	3.94x3.94x0.39 / 100x100x10
Frame height in / mm	29.1 or 31.5 / 740 or 800
Leg in in / mm	3.15x1.18 / 80x30
Working width per body in / cm	
Body distance 33.5" / 850 mm	13/14.1/15.7/16.9 / 33/36/40/43
Body distance 37.4" / 950 mm	13/14.6/16.1/17.7 / 33/37/41/45
Body distance 40.2" / 1020 mm	13.8/15.7/17.3/18.9 / 35/40/44/48

Cross Shaft Cat. 2, optional Cat. 3

- The continuous cross shaft can be adjusted to four positions and has an anti-twist lock. Correct positioning on the tractor and optimum clearance at all times.

Reversing unit and reversing axle

- The reversing axle is a full, 3.15 in / 80 mm diameter shaft.
- The tapered roller bearings are tensioned by a castellated nut. Camber adjustment via two turnbuckles.

Forged moulded leg mounting brackets

- The bracket surrounds the plough beam with a large contact area to transfer forces to the frame.

Solid body mountings on both sides

- Double-sided shear protection via shear bolts.
- Four furrow widths easily selected via hole matrix by moving a bolt.

Bolted reinforcement in main plough beam bearing

- For 4-furrow option, additional frame reinforcement bolted onto the plough beam tube – no holes or welds that might weaken the beam.
- Plough beam made of SG 50 steel

SERVO 25 nova with hydromechanical stone protection.

SERVO 35 / 35 S

One range up to 140 hp and 170 hp

The tractors used on medium-sized arable farms are steadily increasing in size so demands on the plough are also increasing.

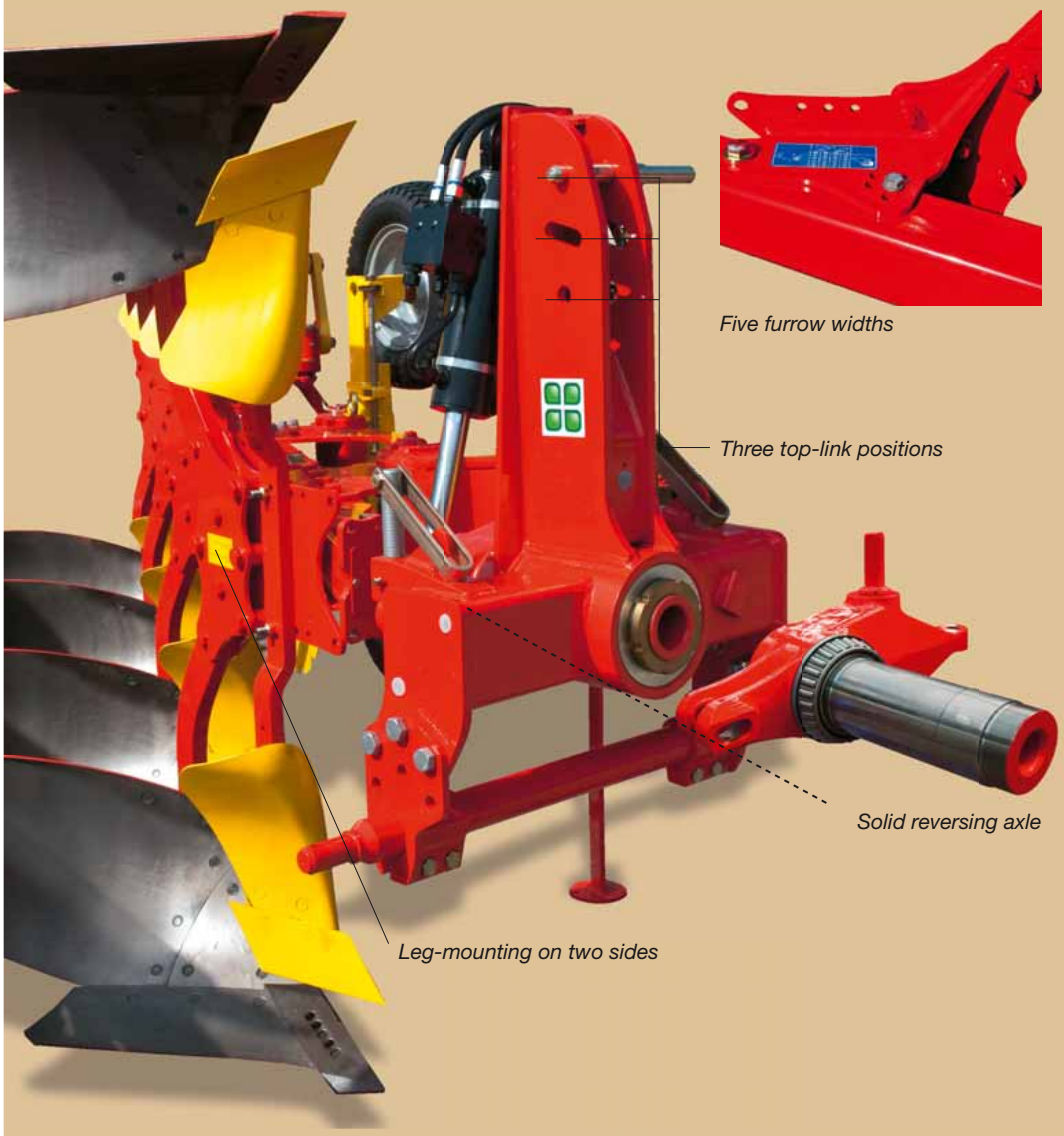
The SERVO 35 range up to 140 hp this bill.

And for tractors up to 170 hp the SERVO 35 S range is an ideal match.

Headstock

- Double-acting turn over cylinder with check valve; hoses are not under pressure during ploughing.
- The continuous cross shaft can be adjusted to four positions and has an anti-twist lock. Correct positioning on the tractor and optimum clearance at all times.

	SERVO 35 – up to 140 hp	**SERVO 35 S – up to 170 hp SERVO 45 headstock**
Furrows	3 / 4 / 5	4 / 5 / 6
Cross shaft	Cat. 2 / 5-furrow Cat. 3	Cat. 2, width 2
Plough-beam inch / mm	4.72x4.72x0.39 / 120x120x10	4.72x4.72x0.39 / 120x120x10
Frame height inch / mm	31.5 / 800	31.5 / 800
Leg inch / mm	3.15x1.18 / 80x30	3.15x1.18 / 80x30
	Working width per body inch / cm	
Body distance 37.4" / 950 mm	11.8/13.8/15.7/17.7/19.7 / 30/35/40/45/50	
Body distance 40.2" / 1020 mm	12.6/15/16.9/18.9/21.3 / 32/38/43/48/54	
SERVO plus 37.4" / 950 mm	9.05–19.29 / 230 – 490 mm	
SERVO plus 40.2" / 1020 mm	9.84 – 21.26 / 250 – 540 mm	



Three top-link positions

- including a slot for faster penetration and lower link sensing. The extra-thick top link retention plate is hardened and guarantees a snug fit for the top link pin.

Reversing axle and reversing unit

- SERVO 35 reversing axle 3.94 in / 100 mm, SERVO 35 S 4.33 / 110 mm.
- The reversing unit, made from tempered cast steel, is not welded to the reversing axle. The hydraulic hoses pass through the hollow shaft preventing trapping of the hoses during reversing.
- The heavy-duty tapered roller bearings are reliably protected from dirt and locked with an adjustable castellated nut. Camber adjustment via two turnbuckles.

Leg mounting brackets

- The heat-treated steel leg mounting brackets are large and will resist high loads.
- The bracket surrounds the plough beam with a large contact area for optimum transfer of forces to the beam.

Solid leg-mounting on two sides

- Double-sided shear protection via shear bolts.
- Five furrow widths easily selected via hole matrix by moving a bolt.

SERVO 35 / SERVO 35 S plus with hydraulic furrow-width adjustment.
SERVO 35 / SERVO 35 S nova with hydromechanical stone protection.

SERVO 45 / 45 S

The robust range up to 170 hp and the top range up to 270 hp

	SERVO 45 – up to 170 hp	**SERVO 45 S –** up to 270 hp
Furrows	3 / 4 / 5	4 / 5 / 6
Cross shaft	Cat. 3, width 2	Cat. 3, width 3
Plough-beam in / mm	5.51x5.51x0.39 / 140x140x10	5.51x5.51x0.39 / 140x140x10
Frame height in / mm	31.5 / 35.4 / 800 / 900	31.5 / 35.4 / 800 / 900
Leg in in / mm	3.15x1.18 / 80x30	3.15x1.18 / 80x30
	Working width per body in / cm	
Body distance 37.4" / 950 mm	11.8/13.8/15.7/17.7/19.7 / 30/35/40/45/50	11.8/13.8/15.7/17.7/19.7 / 30/35/40/45/50
Body distance 40.2" / 1020 mm	12.6/15/16.9/18.9/21.3 / 32/38/43/48/54	12.6/15/16.9/18.9/21.3 / 32/38/43/48/54
SERVO plus 37.4" / 950 mm	9.05 – 19.29 / 230 – 490 mm	9.05 – 19.29 / 230 – 490 mm
SERVO plus 40.2" / 1020 mm	9.84 – 21.26 / 250 – 540 mm	9.84 – 21.26 / 250 – 540 mm

Linkage double gear Cat. 3

Headstock SERVO 45 S

Increasingly powerful tractors carry ploughs with up to six furrows on the three-point linkage.

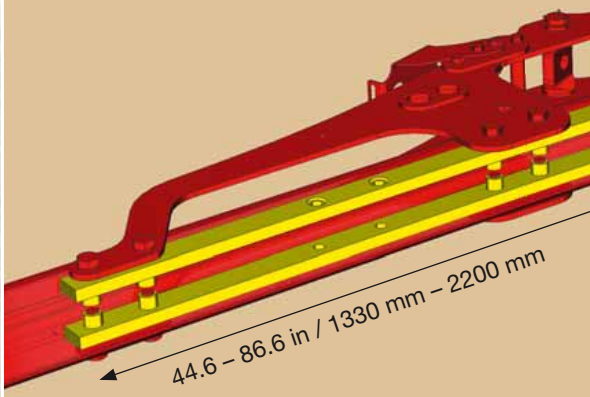
Fast road travel and large body distances demand a robust headstock, a strong reversing mechanism and plough-beam.

- Headstock: Double-acting reversing cylinder with check valve; hoses are not under pressure during ploughing.
- The continuous lower link bar can be adjusted to four positions and has an anti-twist lock. Correct positioning on the tractor and optimum clearance at all times. Linkage double gear Cat. III on option for SERVO 45 S, standard on SERVO 45 S with 6 furrows.

Reversing axle SERVO 45 Ø 4.33 in / 110 mm, SERVO 45 S Ø 5.91 / 150 mm

- The reversing unit made from tempered cast steel, is not welded to the reversing axle. The hoses pass through the headstock giving optimum protection. Hoses are protected from being trapped during reversing. The heavy-duty tapered roller bearings are reliably protected from dirt and locked with an adjustable castellated nut. Camber adjustment via two turnbuckles.
- Three top-link positions, including a slot for faster penetration and lower link sensing. The extra-thick top-link retention plate guarantees a snug fit for the top link pin.
- The heat-treated steel leg-mounting brackets are large and will resist high loads.
- The bracket surrounds the plough beam with a large contact area for optimum transfer of forces to the beam.
- Solid leg mountings on both sides, double-sided shear protection via shear bolts. 5 furrow widths easily selected via hole matrix by moving a bolt.
- **SERVO 45 / 45 S plus with hydraulic furrow-width adjustment.**
- **SERVO 45 / 45 S nova with hydromechanical stone protection.**

SERVO 35 / 35 S / 45 / 45 S



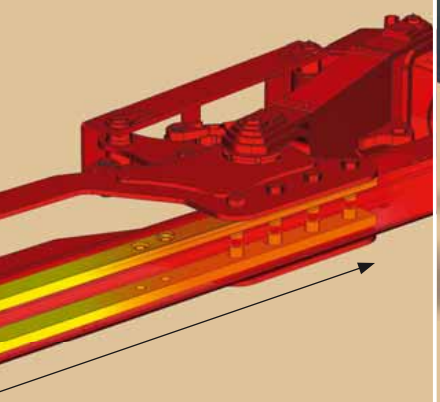
Ploughs with backbone

Unique amongst all ploughs: Bolted reinforcements where the load on the beam is greatest

In the SERVO Series 35 and 45, the inside of the continuous plough beam, made from micro-alloyed fine-grain steel, is additionally strengthened by two bolted reinforcements.

The thick walls of the plough beam guarantee a robust seat for plough leg mountings and attachments.

- The large main frame reinforcements with 44.6 – 86.6 in / 1.33 – 2.20 m seat length (S version) gives the best distribution of forces up to well beyond the second body.
- Intelligent solution: Maximum plough-beam rigidity at the point of maximum bending. The inner web increases resistance to flexing by up to 25%.
- The firm seating of the high-specification individual bolts gives a robust, highly stable unit. No through bolts that could work loose.



Bolted reinforcements where the load on the beam is greatest

Headstock SERVO 35 S / SERVO 45

Plough-beam pivot system

- At large furrow-widths and body distances, and when clearance is too low, the beam is hydraulically pivoted on reversing but furrow width adjustment remains unchanged.
- The plough is narrow for road transport and parking.
- The hydraulic cylinder has a check valve so that the hoses are not under pressure during ploughing.

The beam link – a central component

- The conical shape of the beam link with wide-spaced mounting on the reversing unit means that high load torques can be absorbed.
- The pins in the lubricated pivot points have anti-twist locks. Replaceable bushes in the reversing unit and pivot points guarantee a long service life.

Beam link

Plough-beam pivot system

SERVO Traction Control

Improved traction in the SERVO 45 S

With the optional traction control module the weight of the SERVO 45 S mounted plough is transferred from the plough to the tractor.

Force transmission via the traction system means that the load is always on the rear wheels when the plough's ground hugging system is optimally adjusted.

Wheel slip can be reduced by a perfect match between power requirement and rear axle load. This saves fuel and conserves the soil.

- Permanent loading of the rear wheels
- Reduced slip
- Prevents damaging compaction
- Saves fuel
- Improves the environment and energy situation

Assessment of the influence of Traction Control on tractor fuel consumption and wheel slip
University of Natural Resources and Applied Life Sciences, Vienna

Slip and the damaging compaction caused by the rear wheels are therefore reduced. This ensures optimum tractor efficiency. The trigger pressure can be adjusted from the tractor. The pressure remains the same, even at the headland.

Performance and consumption data for medium-heavy soil
working width 8.53 ft / 2.60 m, working depth 9.84 in / 250 mm

Driving strategy	**without Traction Control**	**Traction Control**	**Efficiency**
Performance	1.94 ha/h	2.07 ha/h	+ 0.13 ha/h
Diesel consumption	20.5 l/ha	18.4 l/ha	- 2.1 l/ha
Diesel consumption	39.7 l/h	38.0 l/h	- 1.7 l/h l/h
Wheel slip	4.8 %	3.3 %	- 1.5 %

Markus Schüller, Gerhard Moitzi, Division of Agricultural Engineering
Helmut Wagentristl, Experimental Farm Grossenzersdorf

New SERVO special equipment for difficult soils and requirements

A large selection of modern body shapes to suit every soil type. A new addition to the range is the plastic plough body 50 RW for soils with little structure and a high proportion of organic matter, such as marsh land and peat. The Robalon-S mouldboard has been specially developed for difficult soil conditions. The skimmer is also made of the same material.

Plastic plough body 50 RW

- Dimensions, shape equal to 46 W body
- Support strip strut (to protect the plastic body)
- Material: Robalon-S, 15 mm thick
- Steel shares
- V4 R skimmer from the same material

Furrow widener for wide tyres

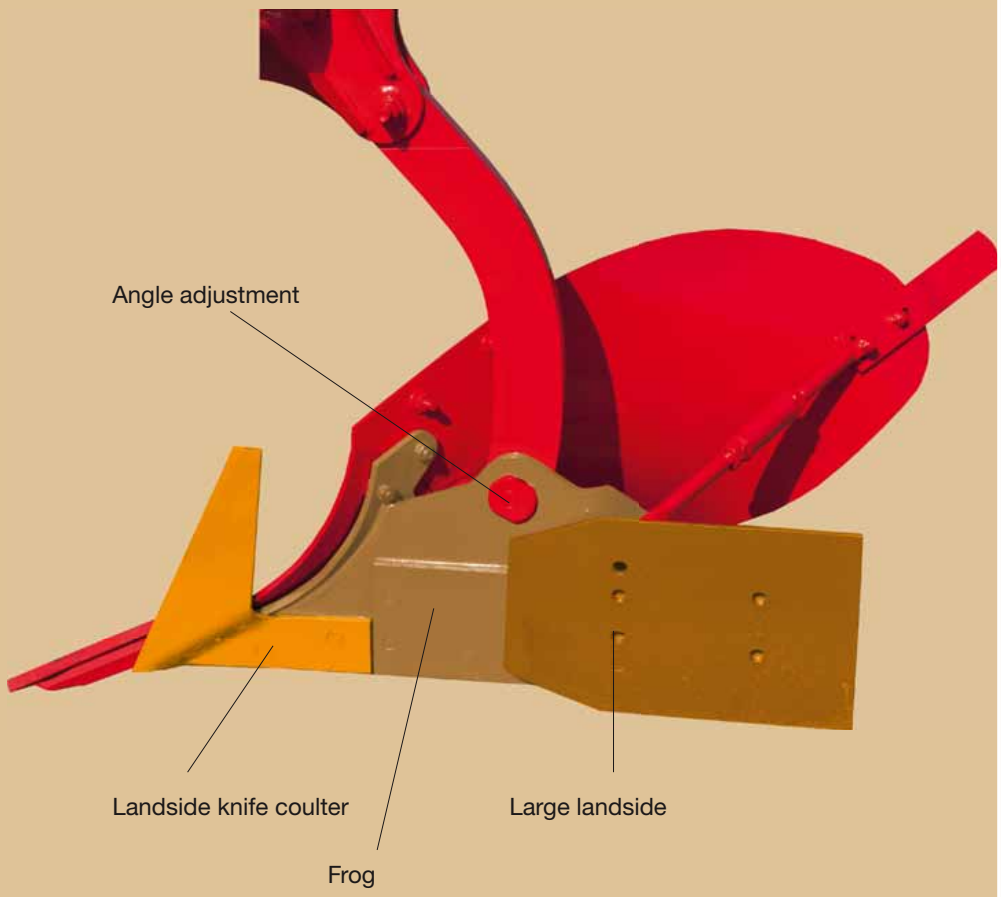
- Available for all plough models and body shapes.
- Not available in combination with disc coulter.

Ploughing with a furrow packer for SERVO 25 to 45 S

When ploughing with a furrow packer the furrows created by the plough are consolidated straight away. On lighter soils the result is a firm, level seedbed, allowing cultivation passes to be reduced.

- The press is collected by the press arm's large jaw. It is hydraulically released before raising the plough.
- A five-position mounting means the press can be set for different working widths. A tension spring pivots the press arm into the set catching position after releasing.
- In SERVO plus ploughs, the catching position is maintained precisely by a chain even when adjusting furrow width.
- The press arm can be fixed within the tractor width for road transport.
- The entire press arm can be removed quickly and easily.

SERVO



The body – a safe combination

Long service life of wearing parts is of utmost importance for more cost-effective tillage implements.

Pöttinger has driven developments in this area with its new durability technology.

Frog

- The frog is hardened, giving maximum strength and reliability for both mouldboards and slats.
- The single-piece shares sit on a forged raised part to give a precise, durable joint.

Angle adjustment

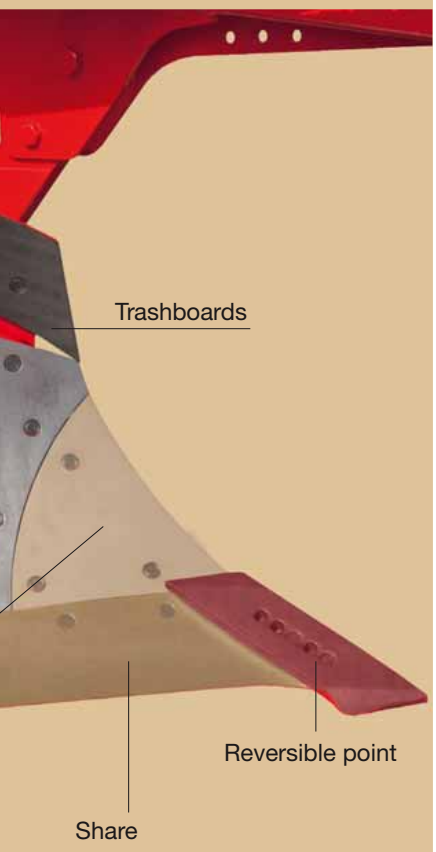
- An eccentric allows adjustment of body angle. For reliable penetration, even on extremely hard, dry soils.

Large landsides for reliable plough tracking

- The landsides can be used four times to ensure cost efficient use of the parts.

Single-piece reversible points

- Single-piece points are reversible for reduced operating costs.
- The single-piece points are manufactured from hardened boron steel and guarantee good plough penetration in all soil conditions. Optional single-piece points with additional hard faced welding for extreme wear-resistance.

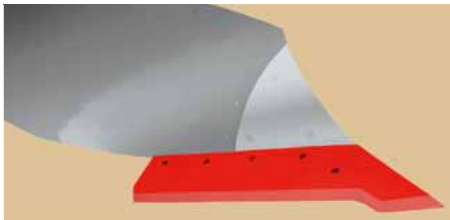


Shares

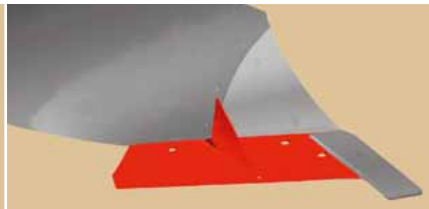
- All shares are manufactured from hardened boron steel. Increasing the hardened wear zone extends service life by up to 50%. The 0.433" / 11 mm-thick shares have a total width of 5.90" / 150 mm.
- The forward taper aids good penetration and has the effect of being self-sharpening.

Shins

- made from 0.32" / 8 mm hardened fine-grain steel are used on mouldboards in the area of greatest wear. They are quick and easy to replace.



One-piece share
One-piece share with robust points. A large angle guarantees good penetration. Highly suitable for stony soils and shallow ploughing.



Blade share
Welded cutting blades on the shares give better crumbling as they split the furrow down the middle.

Bodies for all soils

Different soil types and working conditions need different body shapes.

They must be low-drag and give optimum performance.

Ideal body shapes

- A large selection of modern body shapes to suit every soil type.
- SERVO bodies meet all the requirements, and years of experience and practical tests testify to the reliability and stability of the material.

Mouldboards

- 8 mm hardened fine-grain steel – extremely resistant to wear

Slatted boards

- Slats 10 mm thick and hardened throughout – extremely resistant to wear. Slats bevelled and angled backwards – prevent jammed stones.

Long, twisted mouldboards

27 W

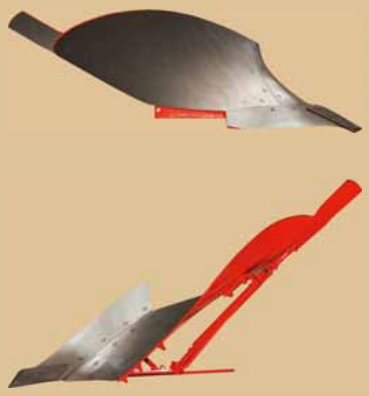
Low-drag bodies, highly suited to slopes. Ideal for ploughing up pasture and topsoil ploughing, wide furrow clearance. Suitable for higher forward speeds.

Working width to
17.2 in / 450 mm

Working depth to
9.84 in / 250 mm

Furrow clearance up to
18.90 in / 480 mm

41 W



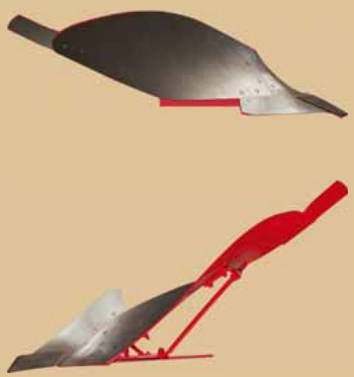
Long, curved mould board for heavy, sticky soil. Moderate working speed.

Working width to
17.2 in / 450 mm

Working depth to
11.81 in / 300 mm

Furrow clearance up to
17.2 in / 450 mm

36 W



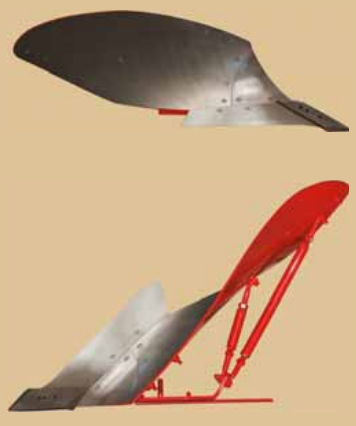
Long, curved mould board for heavy, sticky soil. Moderate working speed.

Working width to
17.2 in / 450 mm

Working depth to
9.84 in / 250 mm

Furrow clearance up to
15.75 in / 400 mm

46 W



Good crumbling effect and suitable for slopes, low drag resistance in loam and clay soils, also light soil types. A plough body for high working speeds without overlapping. Wide furrow clearance and low drag resistance are the hallmarks of this body.

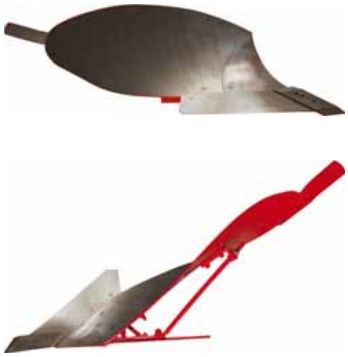
Working width to
21.26 in / 540 mm

Working depth to
13.78 in / 350 mm

Furrow clearance up to
20.87 in / 530 mm

Universal bodies

36 UW



Universal body with very good furrow clearance and excellent crumbling at normal working speed. Large quantities of harvest trash are ploughed in tidily. A low drag resistance body suitable for most soils.

Working width to
19.68 in / 500 mm

Working depth to
11.81 in / 300 mm

Furrow clearance up to
18.90 in / 480 mm

39 UW

Universal body with very good furrow clearance and excellent crumbling at normal working speed. Large quantities of harvest trash are ploughed in tidily. A low drag resistance body suitable for most soils.

Working width to
21.26 in / 540 mm

Working depth to
13.78 in / 350 mm

Furrow clearance up to
19.68 in / 500 mm

Slatted bodies

38 WWS

Low-drag resistance body with curved slats for excellent crumbling effect in medium to heavy soils (loam, clay). Especially wide furrow clearing – ideal for wide tyres.

Working width to
21.26 in / 540 mm

Working depth to
11.81 in / 300 mm

Furrow clearance up to
19.68 in / 500 mm

35 WSS

Slatted body with strong turning characteristics, specially suitable for peaty, medium-density and sticky soil. Especially wide furrow clearing and excellent crumbling.

Working width to
21.26 in / 540 mm

Working depth to
13.78 in / 350 mm

Furrow clearance up to
20.87 in / 530 mm

Synthetic body

50 RW

Long, curved, high synthetic body for soils with low stability. Wide furrow clearance. Earth flows past easily – for use with share points only. Not suitable for stony ground.

Working width to
21.26 in / 540 mm

Working depth to
13.78 in / 350 mm

Furrow clearance up to
20.87 in / 530 mm

SERVO

Disc coulters, smooth or scalloped

Spring-mounted disc coulter

Landside knife coulter

V1 Universal skimmer

V2 Maize skimmer

A clean surface and furrow
Disc coulters and skimmers

A clean disc-coulter cut guarantees precise turning of the furrow and a clean furrow wall. Important when using wide tractor tyres.

Suitable skimmer shapes mean there are no crop residues on the surface after ploughing.

Disc coulters, smooth or scalloped

- A mounting bracket for standard and SERVO plus ploughs with depth adjustment via toothed segments.
- Bracket moved forward – disc coulter in front of skimmer, large clearance – no blocking with large amounts of maize straw.
- Bracket moved backwards – disc coulter close to skimmer for light, free-flowing soils and shallow ploughing.

Smooth disc coulters

- Diameter 19.68 or 23.23 in / 500 or 590 mm with good self-cleaning characteristics.
- Star-shaped indentations keep disc coulters turning.

Scalloped disc coulters

- Diameter 9.68 or 23.23 in / 500 or 590 mm – good turning characteristics in high levels of organic matter.

Spring-mounted disc coulter

- Smooth or scalloped for ploughs with trip leg system.

Landside knife coulter

- Landside knife coulter – a low-cost alternative – from 8.66 in / 220 mm working depth.

V3 Universal skimmer

V4 RW

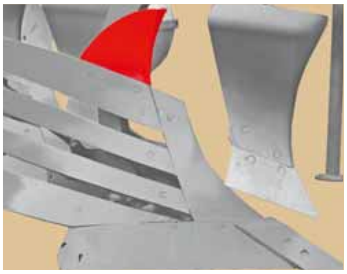
Skimmers

- Same shank for all skimmers with multi-stage depth adjustment – without tools.
- Distance from the plough body is adjustable via the hole matrix.
- Skimmers are secured by shear bolts.

Types of skimmers

- V1 standard skimmer for all incorporation tasks and for maize straw.
- V2 Maize skimmer for large amounts of organic matter and for larger working depths.
- V3 Universal skimmer suitable for all incorporation tasks.

Trashboards – alternatives for shallow ploughing and stony soils.



Leg protectors – improves ploughing in large amounts of organic matter and protects the leg.

Depth wheels for good tracking

Precise depth control of the plough is important. Quick, easy adjustment is essential. Depending on options and plough type, Pöttinger offers both dual depth wheels and self-aligning wheels.

Dual depth wheels

Dual-depth wheel – steel or pneumatic

Dual-depth wheel – with hydraulic depth adjustment

Dual-depth wheel – steel, 19.88 x 7.28 in / 505 x185 mm
Dual depth wheel pneumatic, 22.8 x 10.4 in / 579 x 264 mm
Dual depth wheels pneumatic, 26/12-12; 660 x 305 mm
SERVO 25 to 45 S
Wheel mounted at second last and last body on ploughs with 4 or more shares. The mounting can be secured towards rear, or towards front for fenceline ploughing. The wheels can be adjusted steplessly and individually using turnbuckles.

Dual depth wheel pneumatic, with hydraulic depth adjustment, 22.8 x 10.4 in / 579 x 264 mm
Dual depth wheel pneumatic, with hydraulic depth adjustment, 26/12-12; 660 x 305 mm
SERVO 25 to 45 S
Wheel can be mounted at second last or last body on ploughs with 4 or more shares.
Infinitely-variable hydraulic depth adjustment – one doubleacting connection required.

Self-aligning wheels

Self-aligning wheels, non-damped

Self-aligning wheels, hydraulically-damped

Self-aligning wheel – steel, non-damped, 19.88 x 7.28 in / 505 x185 mm
Self-aligning wheel pneumatic, non-damped, 22.8 x 10.4 in / 579 x 264 mm
SERVO 25 to 35 S
The depth wheel pivots over when the plough is turned over. A Pin positions the depth wheel correctly during penetration. Depth is adjusted by spindle. Wheel mounted at second last and last body on ploughs with 4 or more shares.

Self-aligning wheel – steel, hydraulically-damped, 19.88 x 7.28 in / 505 x185 mm
SERVO 25 to 35 S
When the plough turns over the wheel pivot is damped hydraulically – jolt-free pivoting ensures smooth operation and a longer service life. Wheel is located at last body.

Self-aligning wheel pneumatic, hydraulically-damped, 22.8 x 10.4 in / 579 x 264 mm
Can also be used for transport; wheel is located at last body.
SERVO 25 – without transport interlock
SERVO 35 to 45 S – with transport interlock

Transport / reversing wheels

VTPR

TPR

TPR – transport / reversing wheels pneumatic, 579 x 264 mm, 755 x 270 mm, 780 x 340 mm
SERVO 35 to 45 S
Best guidance for plough in the field and optimum driving performance on the road. Transport position reached by pivoting the wheel and inserting pin. Transport function can also be retro-fitted.

VTPR – forward-mounted transport / depth wheels pneumatic – ideal for fenceline ploughing
From 5 furrows 29.72 x 10.63 in / 755 x 270 mm or 30.71 x 13.38 in / 780 x 340 mm
SERVO 35 to 45 S
The reversing wheel is hydraulically dampened so it pivots without jolting. The wheel can be converted to the transport function in just a few steps.

VTPR – forward-mounted transport / depth wheels pneumatic with hydraulic depth adjustment
Infinitely-variable hydraulic depth adjustment – one doubleacting connection required.

Technical data

	Furrows	Body distance in / mm	Frame height	Plough beam	Basic weight lbs / kg
SERVO standard ploughs with stepped furrow widths – manual adjustment					
SERVO 25	2	37.4 / 950 40.2 / 1020	29.1 / 31.5 in 740 / 800 mm	3.94 x 3.94 in 100 x 100 mm	1351 / 613
	3	33.5 / 850 37.4 / 950 40.2 / 1020			1253 / 795
	3 + 1	33.5 / 850 37.4 / 950 40.2 / 1020			2174 / 986
SERVO 35	3	37.4 / 950 40.2 / 1020	31.5 in 800 mm	4.72 x 4.72 in 120 x 120 mm	1984 / 900
	3 + 1 4	37.4 / 950 40.2 / 1020			2456 / 1114
	4 + 1	40.2 / 1020			2736 / 1241
SERVO 35 S	4	37.4 / 950 40.2 / 1020	31.5 in 800 mm	4.72 x 4.72 in 120 x 120 mm	2776 / 1259
	4 + 1 5	37.4 / 950 40.2 / 1020			3056 / 1386
	5 + 1	37.4 / 950			3668 / 1664
SERVO 45	4	37.4 / 950 40.2 / 1020	31.5 / 35.4 in 80 / 900 mm	5.51 x 5.51 in 140 x 140 mm	2637 / 1196
	4 + 1				3294 / 1494
SERVO 45 S	4	37.4 / 950 40.2 / 1020	31.5 / 35.4 in 80 / 900 mm	5.51 x 5.51 in 140 x 140 mm	2895 / 1313
	4 + 1 5				3558 / 1614
	5 + 1				4222 / 1915
SERVO ploughs with hydraulic stone protection					
SERVO 25 nova	2	37.4 / 950 40.2 / 1020	29.1 / 31.5 in 74 / 800 mm	4.72 x 4.72 x 0.39 in 120 x 120 mm	1693 / 768
	3	33.5 / 850 37.4 / 950 40.2 / 1020			2240 / 1016
	3 + 1	33.5 / 850 37.4 / 950			2555 / 1159
SERVO 35 nova	3	37.4 / 950 40.2 / 1020	31.5 in 800 mm	4.72 x 4.72 in 120 x 120 mm	2273 / 1031
	4	33.5 / 850 37.4 / 950 40.2 / 1020			2840 / 1288
SERVO 35 S nova	4	33.5 / 850 37.4 / 950 40.2 / 1020	31.5 in 800 mm	4.72 x 4.72 in 120 x 120 mm	3181 / 1443
	4 + 1	33.5 / 850 37.4 / 950			3536 / 1604
SERVO 45 nova	4	37.4 / 950 40.2 / 1020	31.5 in 800 mm	5.51 x 5.51 in 140 x 140 mm	3014 / 1367
	4 + 1	37.4 / 950			3774 / 1712
SERVO 45 S nova	4	37.4 / 950 40.2 / 1020	31.5 in 800 mm	5.51 x 5.51 in 140 x 140 mm	3280 / 1488
	4 + 1 5				4039 / 1832
SERVO ploughs with infinitely variable hydraulic furrow-width adjustment					
SERVO 35 plus	3	37.4 / 950 40.2 / 1020	31.5 in 800 mm	4.72 x 4.72 in 120 x 120 mm	2246 / 1019
	3 + 1 4				2630 / 1193
SERVO 35 S plus	4	37.4 / 950 40.2 / 1020	31.5 in 800 mm	4.72 x 4.72 in 120 x 120 mm	2919 / 1324
	4 + 1				3481 / 1579
SERVO 45 plus	3	37.4 / 950 40.2 / 1020 45.3 / 1150	31.5 / 35.4 in 80 / 900 mm	5.51 x 5.51 in 140 x 140 mm	2374 / 1077
	4	37.4 / 950 40.2 / 1020			2972 / 1348
	4 + 1				3549 / 1610
SERVO 45 S plus	4	37.4 / 950 40.2 / 1020	31.5 / 35.4 in 80 / 900 mm	5.51 x 5.51 in 140 x 140 mm	3611 / 1638
	4 + 1 5				4255 / 1930
	5 + 1				4464 / 2025
SERVO ploughs with hydraulic furrow-width adjustment and hydraulic stone protection					
SERVO 35 plus nova	3	37.4 / 950 40.2 / 1020	31.5 in 800 mm	4.72 x 4.72 in 120 x 120 mm	2533 / 1149
	4	34.6 / 880 37.4 / 950 40.2 / 1020			3188 / 1446
SERVO 35 S plus nova	4	37.4 / 950 40.2 / 1020	31.5 in 800 mm	4.72 x 4.72 in 120 x 120 mm	3507 / 1591
	4 + 1	37.4 / 950			4019 / 1823
SERVO 45 plus nova	4	37.4 / 950	31.5 in 800 mm	5.51 x 5.51 in 140 x 140 mm	3358 / 1523
	4 + 1				4030 / 1828
SERVO 45 S plus nova	4	37.4 / 950 40.2 / 1020	31.5 in 800 mm	5.51 x 5.51 in 140 x 140 mm	3997 / 1813
	4 + 1 5				4672 / 2119

All information is provided without obligation.

SERVO support wheels	25	35	35 S	45	45 S	Weight
Dual depth wheel steel 505 x 185 mm	☐	☐	☐	☐	☐	194 lbs / 88 kg
Dual depth wheel pneumatic 579 x 264 mm	☐	☐	☐	☐	☐	198 lbs / 90 kg
Dual depth wheel pneumatic 579 x 264 mm, variable hydraulic depth adjustment		☐	☐	☐	☐	242 lbs / 110 kg
Dual depth wheel pneumatic 26/12-12; 660 x 305 mm	☐	☐	☐	☐	☐	216 lbs / 98 kg
Dual depth wheel pneumatic 26/12-12,variable hydraulic depth adjustment		☐	☐	☐	☐	260 lbs / 118 kg
Self-aligning wheel steel 505 x 185 mm	☐	☐	☐			121 lbs / 55 kg
Self-aligning wheel steel 505 x 185 mm; hydraulically-damped	☐	☐	☐			265 lbs / 120 kg
Self-aligning wheel pneumatic 579 x 264 mm	☐	☐	☐			137 lbs / 62 kg
Self-aligning wheel pneumatic 579 x 264 mm; hydraulically-damped	☐					276 lbs / 125 kg
Self-aligning wheel pneumatic 26/12-12; 660 x 305 mm		☐	☐			143 lbs / 65 kg
Depth wheel and transport wheel 579 x 264 mm; hydraulically-damped		☐	☐	☐	☐	287 lbs / 130 kg
Depth wheel and transport wheel 755 x 270 mm		☐	☐	☐	☐	397 lbs / 180 kg
Depth wheel and transport wheel 755 x 270 mm; variable hydraulic depth adjustment		☐	☐	☐	☐	430 lbs / 195 kg
Depth wheel and transport wheel, forward-mounted 780 x 340 mm		☐	☐	☐	☐	448 lbs / 203 kg
Depth wheel and transport wheel, forward-mounted 780 x 340 mm; variable hydraulic depth adjustment		☐	☐	☐	☐	481 lbs / 218 kg

☐ = Option

All information is provided without obligation. Fittings can vary from country to country.

Equipments

	Cross shaft Cat. 2	Cross shaft Cat. 3	Quick attach linkage	Steering cross shaft Cat. 2
Weight			57 lbs /26 kg	183 lbs /83 kg
SERVO 25	■	□	□	□
SERVO 35	–	■	□	□
SERVO 35 S	–	■	□	□
SERVO 45	–	■	□	□
SERVO 45 S	–	■	–	–

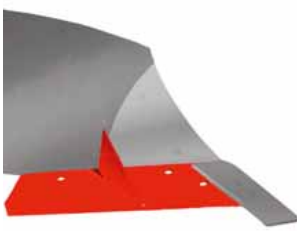



	Skimmer V1	Skimmer V2	Skimmer V3	Skimmer V4 RW
Weight	Pair 55 lbs / 25 kg	Pair 62 lbs / 28 kg	Pair 57 lbs / 26 kg	Pair 48 lbs / 22 kg
SERVO 25	□	□	□	□
SERVO 35	□	□	□	□
SERVO 35 S	□	□	□	□
SERVO 45	□	□	□	□
SERVO 45 S	□	□	□	□




	Hardened chisel point	Plain share hard metal	Blade share	Subsoiler
Weight				Pair 70 lbs / 32 kg
SERVO 25	□	□	□	□
SERVO 35	□	□	□	□
SERVO 35 S	□	□	□	□
SERVO 45	□	□	□	□
SERVO 45 S	□	□	□	□






■ = Standard; □ = Option

Linkage double gear Cat. 3	Traction Control	Plough-beam pivot system	SERVO plus Memoryzylinder	Furrow packer extension arm hydraulic
		99 lbs /45 kg	20 lbs /9 kg	209 lbs /95 kg
–	–	–	–	□
–	–	□	□	□
–	–	□	□	□
–	–	□	□	□
□	□	□	□	□





Disc coulter smooth 500 mm / 590 mm	Disc coulter scalloped 500 mm / 590 mm	Disc coulter spring-mounted 500 mm	Landside knife coulter	Landside heels on all bodies
Pair 165 / 190 lbs / 75 / 86 kg	Pair 163 / 187 lbs / 74 / 85 kg	198 / 196 lbs / 90 / 89 kg	Pair 13 lbs / 6 kg	
□	□	□ nova	□	□
□	□	□ nova	□	□
□	□	□ nova	□	□
□	□	□ nova	□	□
□	□	□ nova	□	□




Trashboards	Furrow edge breakter	Warning signs and road lighting
Pair 19.8 lbs / 9 kg	Pair 19.8 lbs / 9 kg	44 lbs / 20 kg
□	□	□
□	□	□
□	□	□
□	□	□
□	□	□

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