SERVO

PÖTTINGER mounted reversing ploughs







NONSTOP ploughing

SERVO

SERVO ploughs are at home in fields all over the world

The heavy-duty and intelligent design of PÖTTINGER ploughs ensures optimum distribution of force and strength at the points of the plough beam subject to the highest stresses. The unique SERVOMATIC control centre on PÖTTINGER ploughs lets you easily adapt perfectly to all types of soil and the current operating conditions. A large selection of high performance mouldboards is available to match every soil type.

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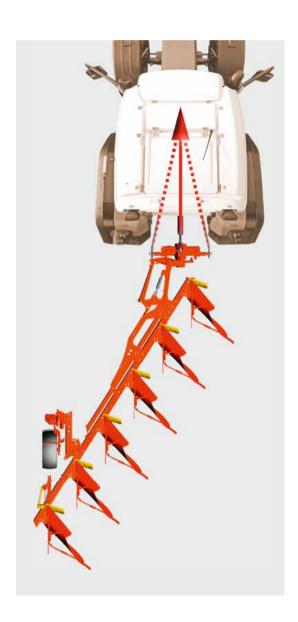
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All information on technical data, dimensions, weights, output, etc. is approximate and is not binding.



SERVOMATIC

Unique precision control centre



Setting up the plough correctly ensures smooth and productive ploughing. PÖTTINGER makes it easy to adjust the plough to the tractor and soil conditions using the SERVOMATIC control centre.

SERVOMATIC for SERVO ploughs.

The furrow width of the leading body and the pulling point can be adjusted separately with ease and precision.

- Use the rear turnbuckle to adjust the furrow width of the front furrow.
- Use the front turnbuckle to adjust the pulling point.
- The two adjustment do not influence each other.
- A few simple adjustments and the plough is set correctly the first time
- No compensation or re-adjustment needed.
- The wide, infinitely-variable range ensures a rapid match to all tractors and operating conditions.

Optimum pulling point adjustment guarantees low landside pressure, resulting in less wear and low fuel consumption.



SERVOMATIC PLUS

Intelligent hydraulic adjustment system



SERVO PLUS with hydraulic furrow width adjustment

Different working conditions and soil structures require different pulling forces. With hydraulic SERVO PLUS furrow width adjustment the plough is always precisely matched to the soil conditions.

- Optimum tractor efficiency and ploughing results at all times.
- All additional adjustments adapt to it correctly and automatically.
- Optimum adaptation to tractor power, slopes and field shapes.
- Easy ploughing of tight corners and headlands.
- Optimum fence-line ploughing from three-furrow models and above.

Durable construction

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

NEW: SERVO 45 M PLUS

Up to 5 furrows, rated to 240 hp







Unique

Furrow width adjustment without lower linkages moving from side to side.

- The fine adjustment system makes it possible to set-up once 100% to different tractor lower linkage dimensions, even if they deviate greatly from the norm.
- When you set the furrow width, there is then no need to adjust the front furrow width and pull line. The lower linkages remain parallel with no crabbing, essential for a straight furrow. Consistent landside pressure at all furrow widths.
- Memory cylinder technology for two functions as an option. Beam pivot system and furrow width - the plough is pivoted and rotated, then re-adjusted to the pre-selected furrow width.

SERVO PLUS adjustment system with lever control and pivot point located away from the plough beam

- Smooth adjustment thanks to long adjusting lever.
- Protects the parallel linkage and pivot points.
- Clearly visible furrow width indicator.

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.



SERVO NOVA

Hydro-mechanical stone protection



da N (kp) 2000 1500 5 10 15 20 25 30 35 40 (cm)



NONSTOP ploughing in stony soil

SERVO NOVA ploughs with stone protection give maximum reassurance. Ploughing without stopping means full productivity even in stony soil.

SERVO NOVA - ploughs with hydraulic stone protection

A hydraulic overload protection system with adjustable triggering force protects the plough against damage.

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. No digging or loosening of big rocks, this protects the whole plough.

- On re-penetrating the soil, the pressure increases to ensure reliable penetration in heavy, dry soil.
- Set the trigger point quickly and easily using the pressure gauge on the headstock.

SERVO PLUS NOVA

These talented performers with hydraulic furrow width adjustment and hydraulic trip leg system offer maximum reliability plus flexibility.







Proven system

With its variable hydraulic triggering pressure, the SERVO NOVA system adapts the plough to different soil types. Each pair of plough bodies has its own hydraulic accumulator which allows upward movement to the side by up to 15.74 inch / 40 cm. The lubricated pivot points and additional shear bolts guarantee a long service life.

- The central filling system is standard on 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.

NEW: SERVO 45 M PLUS NOVA

Up to 5 furrows, rated to 240 hp

SERVO technology

A SERVO for every farm

Recommended for tractors	kW hp	37 50	59 80	74 100	81 110	88 120	96 130	103 140	110 150	118 160	125 170	147 200	162 220	176 240	206 280	220 300	236 320	257 350
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			4-furr	ow														
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SERVO 45 S PLUS NOVA	A												5-furre	OW				
														6-furre	OW.			



Working widths ft / m	Working widths ft / m	Working widths ft / m
Inter-body spacing 33.5/34.6 inch / 850/880 mm	Inter-body spacing 37.4 inch / 950 mm 2.17/2.43/2.69/2.95 / 0.66/0.74/0.82/0.90	Inter-body spacing 40.1 inch / 1020 mm 2.30/2.62/2.89/3.15 / 0.70/0.80/0.88/0.96
3.15/3.54/3.94/4.23 / 0.96/1.08/1.20/1.29	3.25/3.64/4.04/4.43 / 0.99/1.11/1.23/1.35	3.44/3.94/4.33/4.72 / 1.05/1.20/1.32/1.44
4.20/4.72/5.25/5.64 / 1.28/1.44/1.60/1.72	4.33/4.86/5.38/5.91 / 1.32/1.48/1.64/1.80	4.59/5.25/5.77/6.30 / 1.40/1.60/1.76/1.92
4.20/4.72/3.23/3.04 / 1.20/1.44/1.00/1.72		3.15/3.74/4.23/4.72/5.31 / 0.96/1.14/1.29/1.44/1.62
		4.20/4.99/5.64/6.30/7.09 / 1.28/1.52/1.72/1.92/2.16
		5.25/6.23/7.05/7.87/8.86 / 1.60/1.90/2.15/2.40/2.70
		4.20/4.99/5.64/6.30/7.09 / 1.28/1.52/1.72/1.92/2.16
		5.25/6.23/7.05/7.87/8.86 / 1.60/1.90/2.15/2.40/2.70
	5.91/6.89/7.87/8.86/9.84 / 1.80/2.10/2.40/2.70/3.00	5.23/6.23/1.03/1.01/6.00/1.00/1.90/2.13/2.40/2.10
		4.20/4.99/5.64/6.30/7.09 / 1.28/1.52/1.72/1.92/2.16
		5.25/6.23/7.05/7.87/8.86 / 1.60/1.90/2.15/2.40/2.70
		4.20/4.99/5.64/6.30/7.09 / 1.28/1.52/1.72/1.92/2.16
		5.25/6.23/7.05/7.87/8.86 / 1.60/1.90/2.15/2.40/2.70
		6.30/7.48/8.46/9.45/10.63 / 1.92/2.28/2.58/2.88/3.2-
	2.17/2.43/2.69/2.95 / 0.66/0.74/0.82/0.90	2.30/2.62/2.89/3.15 / 0.70/0.80/0.88/0.96
3.15/3.54/3.94/4.23 / 0.96/1.08/1.20/1.29	3.25/3.64/4.04/4.43 / 0.99/1.11/1.23/1.35	3.44/3.94/4.33/4.72 / 1.05/1.20/1.32/1.44
4.20/4.72/5.25/5.64 / 1.28/1.44/1.60/1.72	4.33/4.86/5.38/5.91 / 1.32/1.48/1.64/1.80	0.44/0.34/4.00/4.72 / 1.00/1.20/1.02/1.44
1.20/ 1.12/0.20/0.01/ 1.20/ 1.11/ 1.00/ 1.12		3.15/3.74/4.23/4.72/5.31 / 0.96/1.14/1.29/1.44/1.62
3 67/4 20/4 86/5 51/6 04 / 1 12/1 28/1 48/1 68/1 84		4.20/4.99/5.64/6.30/7.09 / 1.28/1.52/1.72/1.92/2.16
		4.20/4.99/5.64/6.30/7.09 / 1.28/1.52/1.72/1.92/2.16
	4.92/5.74/6.56/7.38/8.20 / 1.50/1.75/2.00/2.25/2.50	
4.00/0.20/0.01/0.00/1.00/1.00/1.00/1.00/2.10/2.00		4.20/4.99/5.64/6.30/7.09 / 1.28/1.52/1.72/1.92/2.16
		5.25/6.23/7.05/7.87/8.86 / 1.60/1.90/2.15/2.40/2.70
		4.20/4.99/5.64/6.30/7.09 / 1.28/1.52/1.72/1.92/2.16
		5.25/6.23/7.05/7.87/8.86 / 1.60/1.90/2.15/2.40/2.70
	5.91/6.89/7.87/8.86/9.84 / 1.80/2.10/2.40/2.70/3.00	
	2.26 - 4.82 / 0.69 - 1.47	
	3.01 - 6.43 / 0.92 - 1.96	2.46 - 5.22 / 0.75 - 1.59 3.28 - 6.96 / 1.00 - 2.12
	3.01 - 6.43 / 0.92 - 1.96	3.28 - 6.96 / 1.00 - 2.12
	3.77 – 8.04 / 1.15 – 2.45	4.10 - 8.86 / 1.25 - 2.70
	3.94 - 6.43 / 1.20 - 1.96	4.20 – 7.09 / 1.28 – 2.16
	4.92 - 8.04 / 1.50 - 2.45	5.41 – 8.86 / 1.65 – 2.70
	4.92 - 6.04 / 1.50 - 2.45	5.41 - 6.667 1.65 - 2.76
	3.01 – 6.43 / 0.92 – 1.96	3.28 - 6.96 / 1.00 - 2.12
	3.77 – 8.04 / 1.15 – 2.45	4.10 - 8.86 / 1.25 - 2.70
	4.53 – 9.65 / 1.38 – 2.94	4.92 – 10.63 / 1.50 – 3.24
	2.26 - 4.82 / 0.69 - 1.47	2.46 – 5.22 / 0.75 – 1.59
	3.01 - 6.43 / 0.92 - 1.96	3.28 - 6.96 / 1.00 - 2.12
	3.01 – 6.43 / 0.92 – 1.96	3.28 - 6.96 / 1.00 - 2.12
	3.77 – 8.04 / 1.15 – 2.45	0.20 0.307 1.00 - 2.12
	3.94 - 6.43 / 1.20 - 1.96	4.20 – 7.09 / 1.28 – 2.16
	4.92 – 8.04 / 1.50 – 2.45	T.20 1.00 / 1.20 - 2.10
	3.01 - 6.43 / 0.92 - 1.96	3.28 - 7.09 / 1.00 - 2.16
	3.77 – 8.04 / 1.15 – 2.45	4.10 - 8.86 / 1.25 - 2.70
	4.53 – 9.65 / 1.38 – 2.94	3.507 1.25 2.170



SERVO 25



The stong lightweight

The lighter class for use with tractors up to 120 hp.

Bolted reinforcement with main plough beam external support

On 4-furrow models there is an additional reinforcement bolted to the beam.

No holes or welds that would weaken the beam.

SERVO 25 - Entry level models with 2 to 4 furrows.

Furrows	2 / 3 / 4 (3+1)
Beam cross-section	3.94 x 3.94 x 0.39 inch / 100 x 100 x 10 mm
Underbeam clearance	31.5 or 29.1 inch / 800 or 740 mm
Body mounting (leg)	3.1 x 1.18 inch / 80 x 30 mm
Working width per body	
Inter-body spacing 33.5 inch / 850 mm	13 / 14.2 / 15.7 / 16.9 inch / 33 / 36 / 40 / 43 cm
Inter-body spacing 37.4 inch / 950 mm	13 / 14.6 / 16.1 / 17.7 inch / 330 / 370 / 410 / 450 mm
Inter-body spacing 40.2 inch / 1020 mm	13.8 / 15.7 / 17.3 / 18.9 inch / 350 / 400 / 440 / 480 mm

SERVO 25 NOVA with hydromechanical stone protection.









Headstock:

- The forged press-formed section reaches under the turnover shaft to increase strength.
- A double acting turnover cylinder with check valve is standard; hoses are not under pressure during ploughing.
- Three top link positions, including a slotted hole for faster penetration and lower linkage draft sensing.

Cat. 2 cross shaft, Cat. 3 optional

- The full-length 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.

Turnover assembly and shaft:

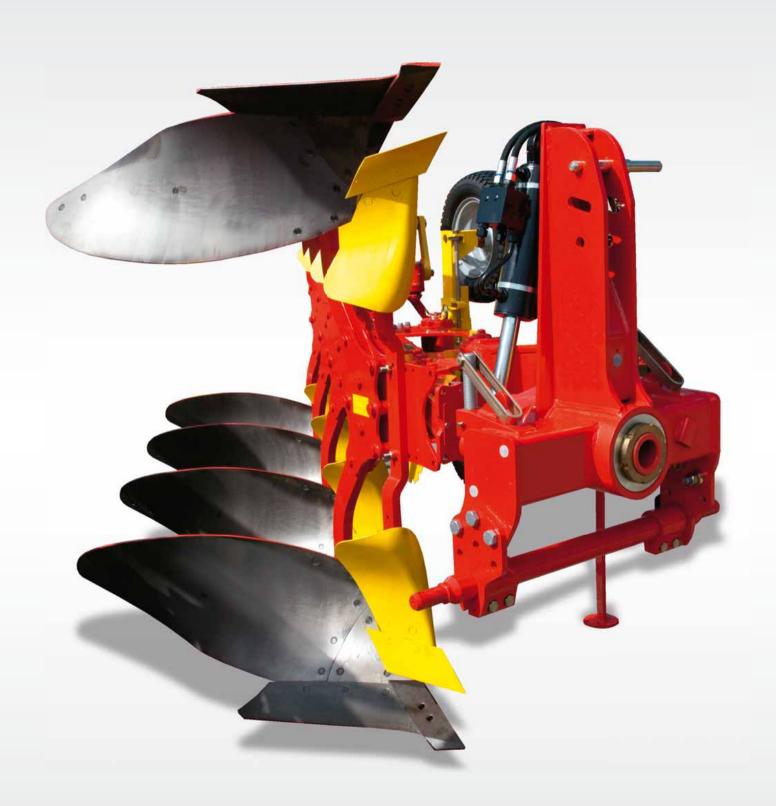
- The turnover shaft is a solid shaft with a diameter of 3.15" / 80 mm.
- The tapered roller bearings are tensioned and adjusted using a castellated nut.
- The ploughing line is adjusted via SERVOMATIC.

Forged moulded leg mounting brackets

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

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.

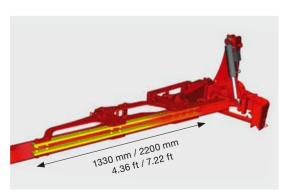


SERVO 35 / 35 S SERVO 45 M / 45 S

Ploughs with real backbone







Bolted reinforcements where stress on beam is highest

Unique on the market

On SERVO series 35 and 45 ploughs, the inside of the full-length micro-alloyed fine-grain steel plough beam is strengthened by two bolted reinforcement bars.

- Maximum plough beam rigidity at the point of maximum bending stress.
- The inner reinforcement increases resistance to flexing by up to 25%
- The firm seating of the bolted reinforcement forms a high-strength
- No through bolts that could work loose. Secured using captive nuts and Nord-Lock washers.

Intelligent solution

The thick walls of the plough beam provide a secure seat for mounting plough legs and skims.



SERVO 35 SERVO 35 S





The 140 hp and 170 hp class

The size of tractor used on medium-sized arable farms continues to increase, so demands on the plough also continue to grow. The SERVO 35 range up to 140 hp matches this demand. For tractors up to 170 hp, the SERVO 35 S range featuring the SERVO 45 turnover shaft and assembly is an ideal match.

	SERVO 35 up to 140 hp	SERVO 35 S up to 170 hp		
Furrows	3/4/5	4/5/6		
Cross shaft	Cat. 2 / Cat. 3, width 2	Cat. 3, width 2		
Plough beam	4.72 x 4.72 x 0.39 inch / 1	20 x 120 x 10 mm		
Underbeam clearance	31.5 inch / 800 mm			
Body holder	3.15 x 1.18 inch / 80 x 30	mm		
Working widths per body				
Inter-body spacing 37.4 inch / 950 mm	11.8 / 13.8 / 15.7 / 17.7 / 19.7 inch / 300 / 350 / 400 /450 / 500 mm			
Inter-body spacing 40.2 inch / 1020 mm	12.6 / 15 / 16.9 / 18.9 / 21.3 inch / 320 / 380 / 430 /480 / 540 mm			
SERVO PLUS 37.4 inch / 950 mm	9.05 – 19.29 inch / 230 – 490 mm			
SERVO PLUS 40.2 inch / 1020 mm	9.84 – 20.87 inch / 250 – §	530 mm		

SERVO 35 PLUS / SERVO 35 S PLUS with hydraulic furrow width adjustment

SERVO 35 NOVA / SERVO 35 S NOVA with hydro-mechanical stone protection

SERVO 35 PLUS NOVA / SERVO 35 S PLUS NOVA with hydraulic furrow width adjustment and hydro-mechanical stone protection









Headstock

- Double acting reversing cylinder with check valve; hoses are not under pressure during ploughing.
- The full-length 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.

Three top link positions

Including a slotted hole for faster penetration and lower linkage draft sensing. The extra-thick top link retention plate is hardened and guarantees a snug fit for the top link pin.

Turnover assembly and shaft.

- The turnover shaft has a diameter of 3.94" / 100 mm on the SERVO 35 and 4.33" / 110 mm on the SERVO 35 S.
- The turnover assembly made from tempered cast steel is not welded to the turnover shaft. 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 contamination and locked with an adjustable castellated nut.
- The ploughing line is adjusted via SERVOMATIC.

Body holder

■ The tempered leg mounting brackets have a large clamping surface to resist high stress. 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.



New: SERVO 45 M





The 240 hp class

Increasingly powerful tractors operate mounted ploughs with up to five furrows. Fast road travel and large inter-body spacing demand a robust headstock, strong reversing mechanism and plough beam.

	SERVO 45 M up to 240 hp
Furrows	4/5
Turnover shaft	Cat. 3, width 3
Plough beam	5.51 x 5.51 x 0.39 inch / 140 x 140 x 10 mm
Underbeam clearance	31.5 or 35.4 inch / 800 or 900 mm
Body holder	3.15 x 1.37 inch / 80 x 35 mm
Working widths per body	
Inter-body spacing 95 cm	11.8 / 13.8 / 15.7 / 17.7 / 19.7 inch / 300 / 350 / 400 / 450 / 500 mm
Inter-body spacing 102 cm	12.6 / 15 / 16.9 / 18.9 / 21.3 inch / 320 / 380 / 430 / 480 / 540 mm
SERVO PLUS 95 cm	9.05 - 19.29 inch / 230 - 490 mm
SERVO PLUS 102 cm	9.84 – 20.87 inch / 250 – 530 mm

New: SERVO 45 M / SERVO 45 M PLUS SERVO 45 M NOVA / SERVO 45 M PLUS NOVA

4 - 5 furrows up to 240 hp





New: Headstock on SERVO 45 M designed for 240 hp

■ The full-length 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.

Turnover shaft diameter of 5.11 inch / 130 mm

- Turnover shaft diameter of 5.11 inch /1 30 mm
- The turnover assembly is made from tempered cast steel is not welded to the turnover shaft. 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 contamination and locked with an adjustable castellated nut.
- The ploughing line is adjusted via SERVOMATIC.

Four top link positions

■ Including two slotted holes for faster penetration and lower linkage draft sensing. The extra-thick top link retention plate is hardened and guarantees a snug fit for the top link pin.

Body holder

The tempered leg mounting brackets have a large clamping surface to resist high stress. The bracket surrounds the plough beam with a large contact area for optimum transfer of forces to the beam.



SERVO 45S





The top end up to 350 hp

Increasingly powerful tractors operate mounted ploughs with up to six furrows. Fast road travel and large inter-body spacing demand a robust headstock, strong turnover assembly and plough beam.

	SERVO 45 S up to 350 hp
Furrows	4/5/6
Cross shaft	Cat. 3, width 3
Plough beam	140 x 140 x 10 mm
Underbeam clearance	31.5/35.4 inch / 800/900 mm
Body holder	3.15 x 1.37 inch / 80 x 35 mm
Working widths per body	
Inter-body spacing 95 cm	11.8 / 13.8 / 15.7 / 17.7 / 19.7 inch / 300 / 350 / 400 / 450 / 500 mm
Inter-body spacing 102 cm	12.6 / 15 / 16.9 / 18.9 / 21.3 inch / 320 / 380 / 430 / 480 / 540 mm
SERVO PLUS 95 cm	9.05 - 19.29 inch / 230 - 490 mm
SERVO PLUS 102 cm	9.84 – 20.87 inch / 250 – 530 mm





Headstock SERVO 45 S up to 350 hp

- The full-length 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.
- Enclosed Cat III linkage cross shaft is available as an option, standard on 6-furrow version.

Turnover shaft

- Turnover shaft diameter of 5.90 inch / 150 mm
- Theturnover assembly is 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 contamination and locked with an adjustable castellated nut.
- The ploughing line is adjusted via SERVOMATIC.

Three top link positions

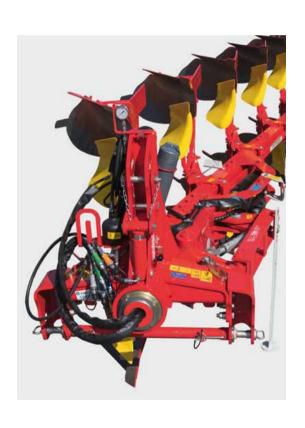
■ Including a slotted hole for faster penetration and lower linkage control. The extra-thick top link retention plate is hardened and guarantees a snug fit for the top link pin.

Body holder

■ The tempered leg mounting brackets have a large clamping surface to resist high stress. The bracket surrounds the plough beam with a large contact area for optimum transfer of forces to the beam.



TRACTION CONTROL



SERVO 45 M and SERVO 45 S

TRACTION CONTROL on SERVO 45 M and 45 S mounted ploughs transfers weight from the plough to the tractor.

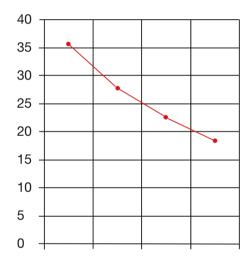
Wheel slip is reduced by perfectly matching the pulling force and load on the rear axle. As a result, this enables maximum tractive performance on the part of the tractor. This saves fuel and conserves the soil. Preload pressure can be adjusted from the tractor seat. The pressure remains the same, even at the headland.

The Austrian University for Soil Sciences (BOKU) in Vienna has tested the TRACTION CONTROL system and proven its positive effect.

Transmitting force through the TRACTION CONTROL system applies a permanent load from the plough to the rear wheels of the tractor.

- Prevents slipping and harmful smearing of rear wheels on soil surface.
- Reduces wheel slip by up to 50%.
- Saves fuel thanks to more effective power transfer.





Conserve the soil and save fuel.

The plough is attached to the top link using a slotted hole so that the plough has all the freedom of movement that it needs to operate effectively. Compensates for uneven ground. The plough maintains the set depth.

- On four to five-furrow ploughs in the 45 M series.
- On five and six-furrow ploughs in the 45 S series.
- Compacted soil will never be loosened effectively using electronic hitch controls! The reason: the hitch raises the plough over compacted areas.
- Summary: Pulling force control in connection with TRACTION CONTROL loosens all compacted areas.
- Saves up to 0.18 gal/acre / 2.1 l/ha.

Assessment of the influence of TRACTION CONTROL on fuel consumption and wheel slip

SERVO 45 S: Performance and consumption data for medium-heavy soil, working width $8.53 \, \text{ft} / 2.60 \, \text{m}$, working depth $9.84 \, \text{inch} / 250 \, \text{mm}$

Driving strategy	without TRACTION CONTROL	with TRACTION CONTROL	Efficiency
Performance	4.79 acres/h / 1.94 ha/h	5.12 acres/h / 2.07 ha/h	+ 0.32 acres/h / 0.13 ha/h
Diesel consumption	1.82 gal/acre / 20.5 l/ha	1.64 gal/acre / 18.4 l/ha	- 0.18 gal/acre / 2.1 l/ha
Diesel consumption	8.73 gal/h / 39.7 l/h	8.36 gal/ha / 38.0 l/h	- 0.37 gal/h / 1.7 l/h
Wheel slip	4.8 %	3.3 %	- 1.5 %

Markus Schüller, Gerhard Moitzi, Institute for agricultural technology at the Soil Sciences University in Vienna Helmut Wagentristl, Pilot Farm in Groß Enzersdorf, Soil Sciences University in Vienna

Original Parts

CLASSIC **DURA**STAR



PÖTTINGER Original Parts meet the highest demands in terms of functionality, reliability and performance. Durability and top performance are characteristics that PÖTTINGER is committed to delivering.

CLASSIC

CLASSIC - the classic line of spare and wear parts.

PÖTTINGER CLASSIC mouldboards are carbonised to best withstand wear to the surface. The carbonising process extends service life by 20 % compared to conventional 3-layer steel. At PÖTTINGER both sides of the mouldboard are carbonised.

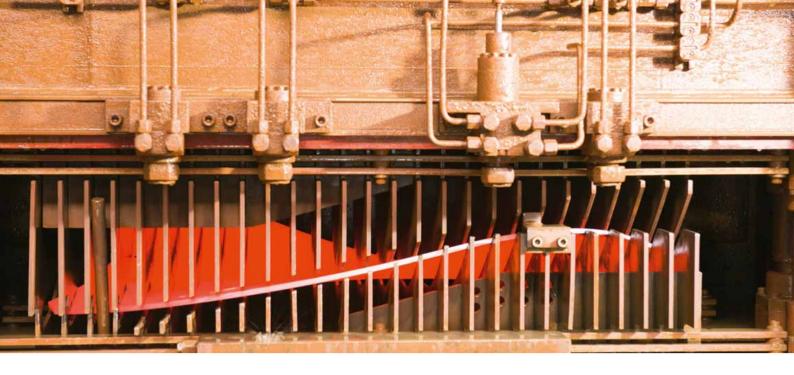
Afterwards the outside of the steel is harder and more resistant to wear. The core, on the other hand, remains flexible. This prevents fractures and cracks from occurring when the material is subjected to stress. This means that the wear parts are able to withstand stress for longer. PÖTTINGER's aim is to deliver durability and top performance. That is why we are setting a new standard.

DURASTAR – keeps its promise

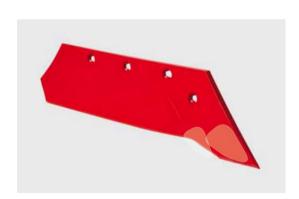
For demanding operating situations.

DURASTAR mould boards

The standard version of our DURASTAR 46 Wc, 27 Wc, 36 UWc and 39 UWc mould boards are case hardened. That is how you can work cost effectively and not waste valuable time changing spare parts.







DURASTAR reversible points

The tungsten carbide armour on the underside of our DURASTAR plough points reduces wear, increases performance and delivers greatly increased replacement intervals. Because the points can be reversed it is possible to use both sides, which ensures optimum utilization of the material and leads to a longer service life. The armouring on these reversible DURASTAR points therefore extends their service life by around 50%.

DURASTAR combined share and point

Like the standard share, the combined share and point is also made from hardened boron steel. The material thickness of 0.43 inch / 11 mm ensures an extended service life. Single-piece combined shares and points designed for heavy duty wear resistance ensure reliable penetration and are especially suitable for stony soil and shallow ploughing.

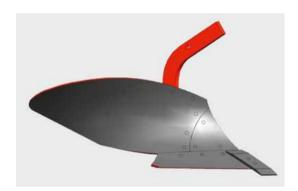
Your benefits at a glance

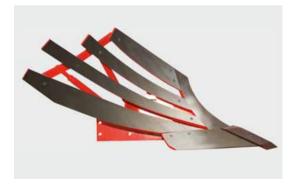
- Low draft for high driving speed and reduced power requirement.
- Perfect for stony and sticky soils.
- Ideal for shallow ploughing.
- Improved soil flow reduces sticking.
- Developed and manufactured by PÖTTINGER.

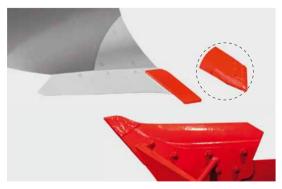
SERVO technology

Mouldboards for all types of soil









DURASTAR

Hardened right through and carbonised

Hardened right through means consistent hardness across the whole cross-section. Carbonised: Substrate material core is elastic. Proven plough mouldboards, hardened right through, guarantee excellent results in difficult soils (heathland, black-earth soil, etc.). Mouldboards with a special carbonised layer are characterised by impressive durability thanks to a super-hard 0.43 inch / 2.3 mm-thick surface on both sides of the board and a more elastic core. This combination ensures optimum ploughing results in soils with a variable or sticky structure.

- Longer service life than 3-layer plate.
- Improved soil flow reduces sticking.
- Developed and manufactured by PÖTTINGER.
- DURASTAR 27 Wc, 46 Wc, 36 UWc and 39 UWc mouldboards

Mouldboards

0.31 inch / 8 mm hardened fine grain steel - extremely resistant to wear.

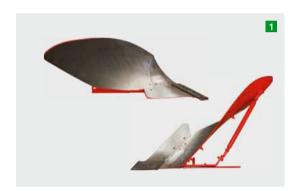
DURASTAR slatted mouldboards

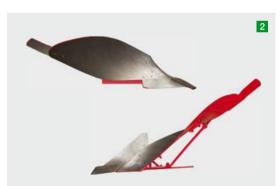
Slats 10.47 inch / 2 mm thick and hardened right through - extremely resistant to wear. The distance between the slats gets wider further back to prevent stones from becoming trapped.

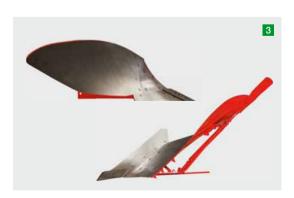
Armoured chisel points and combined shares and points

Chisel points and combined shares and points with hard faced welding are also available for extreme wear resistance.









Long and curved mouldboards

27 Wc DURASTAR (1)

Low drag resistance, well suited to working on slopes. Ideal for ploughing meadow and flat land with good furrow clearance. Suitable for higher forward speeds.

- Working width up to 17.71 inch / 450 mm
- Working depth up to 9.84 inch / 250 mm
- Furrow clearance up to 18.90 inch / 480 mm

36 W (2)

Long, curved mouldboard for heavy, sticky soil. Moderate working speed

- Working width up to 17.71 inch / 450 mm
- Working depth up to 9.84 inch / 250 mm
- Furrow clearance up to 15.75 inch / 400 mm

41 W (3)

Long, curved mouldboard for heavy, sticky soil. Moderate working speed.

- Working width up to 17.71 inch / 450 mm
- Working depth up to 11.81 inch / 300 mm
- Furrow clearance up to 17.71 inch / 450 mm



SERVO technology

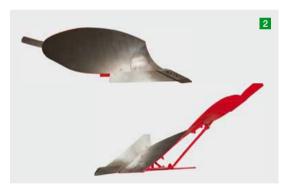
Mouldboards for all types of soil



46 Wc DURASTAR (1)

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

- Working width up to 21.26 inch / 540 mm
- Working depth up to 13.78 inch / 350 mm
- Furrow clearance up to 20.87 inch / 530 mm



Universal mouldboard

36 UWc DURASTAR (2)

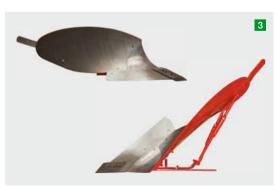
Universal mouldboard with very good furrow clearance and excellent crumbling at normal working speed. Large quantities of harvest trash are ploughed in tidily. A low-draft mouldboard, suitable for most soils.

- Working width up to 9.68 inch / 500 mm
- Working depth up to 11.81 inch / 300 mm
- Furrow clearance up to 18.90 inch / 480 mm



Large universal mouldboard with very good furrow clearance and excellent crumbling at normal working speed. Large quantities of harvest trash are ploughed in tidily. A low-draft mouldboard, suitable for most soils.

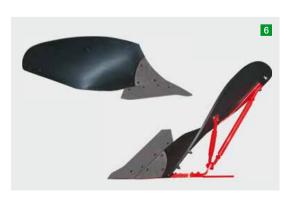
- Working width up to 21.26 inch / 540 mm
- Working depth up to 13.78 inch / 350 mm
- Furrow clearance up to 19.69 inch / 500 mm











Slatted boards

35 WSS DURASTAR (4)

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

- Working width up to 21.26 inch / 540 mm
- Working depth up to 13.78 inch / 350 mm
- Furrow clearance up to 20.87 inch / 530 mm

38 WWS DURASTAR (5)

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

- Working width up to 21.26 inch / 540 mm
- Working depth up to 11.81 inch / 300 mm
- Furrow clearance up to 19.69 inch / 500 mm

Synthetic mouldboard

50 RW (6)

Material Robalon S, 15 mm thick, steel shares, geometry and frog same as 46 W.

Long and curved, high synthetic mouldboard for soils with low stability. Wide furrow clearance. Soil flows easily along surface. Use only with share point Not suitable for stony ground.

- Working width up to 21.26 inch / 540 mm
- Working depth up to 13.78 inch / 350 mm
- Furrow clearance up to 20.87 inch / 530 mm

SERVO technology

Durable - Reliable - High quality





Proven plough body configuration

Frog

The frog is tempered to provide maximum strength and stability for mouldboards or slats. The points sit on a forged raised section that provides a precise and durable join.

Angle adjustment (1)

An offset allows adjustment of body angle for reliable penetration, even in extremely hard and dry soils.

Large landsides for reliable plough tracking (2)

The landsides can be used four times to ensure cost efficient use of the parts. Landside protector standard on last body.

DURASTAR reversible points are standard

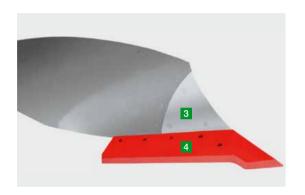
Reversible points with hard faced welding. Being reversible helps extend working life and reduce costs. The single-piece points are manufactured from hardened boron steel and guarantee good plough penetration in all soil conditions.

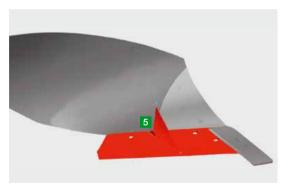
Shares

All shares are manufactured from hardened boron steel. Increasing the hardened wear zone extends service life by up to 50%. The 11 mm thick shares have a total width of 5.9 inch / 150 mm.

The forward taper aids good penetration and has the effect of being self-sharpening.









Shins (3)

Shins made from 0.31 inch $\!\!/$ 8 mm hardened fine grain steel are used on mouldboards in the area of greatest wear. They are quick and easy to replace.

Single-piece combined share and point (4)

with rugged wear points. A high angle guarantees good penetration. Well suited to stony soils and shallow ploughing.

Armoured DURASTAR combined share and point are available as an option.

Knife shares (5)

Vertical blades welded to the shares improve tilth as they split the furrow ridge down the middle.

Furrow widener for wide tyres (6)

Furrow wideners are available as an option for all ploughs and mouldboards. These can only be used without disc coulters.



SERVO technology

For a tidy finish and furrow







A clean disc coulter cut guarantees precise turning of the furrow and a clean furrow bottom.

Disc Coulters

Adjustable bracket

One bracket for Standard and PLUS ploughs. Depth is adjusted using toothed segments.

- Mounting moved forward so the disc coulter is in front of the skimmer. Plenty of space for large quantities of maize straw and organic matter.
- Mounting moved back so the disc coulter is close to the skimmer for light, free-flowing soil and shallow ploughing.

Plain or scalloped discs(1)

- 9.68 or 23.23" / 500 or 590 mm diameter with good self-cleaning characteristics.
- Disc wall ribs keep disc coulters rotating.
- Especially wide bearing spacing for highest durability.
- Scalloped disc coulters rotate well in high levels of organic matter.

Spring-mounted coulter disc (2)

Spring-mounted coulter discs are available for SERVO NOVA ploughs with overload protection.

The landside knife coulter is a cost effective alternative to the disc coulter - from 8.66 inch / 220 mm working depth.









Effective skimmer body options mean there are no crop residues on the surface after ploughing.

Skimmer adjustable without tools

The same skimmer leg is used for all skimmers with multi-stage depth adjustment - no tools required. Distance from the plough body is adjustable via the mounting hole matrix. The skimmer is load-protected using a shear bolt.

V1 universal skimmer

Suitable for all conditions including maize straw.

V2 maize skimmer

■ For large quantities of organic matter, catch crops and deep tillage.

V3 universal skimmer

■ Suitable for shallow working depths.

V4 RW synthetic fertilizer skimmer

■ For light, non-cohesive and sticky soil.

V5 maize skimmer

 Large, high skimmer board suitable for working in high volume harvest residues and for very deep ploughing.

Trashboard (1)

Alternatives for shallow ploughing and stony soil.

Leg deflector (2)

Leg deflectors improve ploughing results in large quantities of organic matter while protecting the leg.

SERVO technology

Depth wheels for perfect tracking









Pivot depth wheel

The depth wheel reverse as the plough is turned over. Ploughing depth is adjusted via a turnbuckle and for transport the plough wheel can be positioned close to the beam. On 4-furrow ploughs upwards, the wheel may be positioned at the last or penultimate body.

- Pivot depth wheel steel, without damping
- Pivot depth wheel pneumatic tyre, without damping
- Pivot depth wheel pneumatic tyre, hydraulic damping, can be used as transport wheel, located at the last body

Dual depth wheels

On 4-furrow ploughs upwards, the wheel may be positioned at the last or penultimate body. The mounting can be moved forward for fenceline ploughing so that it is close to the plough body. The wheels are infinitely adjustable via turnbuckles.

- Dual depth wheel steel
- Dual depth wheel pneumatic tyre
- Dual depth wheel pneumatic tyre, hydraulically adjustable Infinitely-variable hydraulic depth adjustment one double-acting connection required.

Transport pivot wheel - pneumatic tyre

Offers best plough tracking and optimum performance on the road. Move into transport position by pivoting wheel and relocating a pin. The transport function may be retro-fitted.

- Rear-mounted transport pivot wheel
- Mid-mounted transport pivot wheel ideal for fenceline ploughing on
 5-furrow ploughs upwards

The pivot depth wheel is hydraulically damped and swings backwards smoothly. The wheel can be converted into the transport wheel with a few simple adjustments.

- Mid-mounted transport pivot wheel, hydraulically adjustable
- Infinitely-variable hydraulic depth adjustment one double-acting connection required.



SERVO depth wheels	25	35	35 S	45 M	45 S	Weight
Depth wheel bracket mid and rear Four-furrow and above						
Pivot depth wheel - steel 19.88 x 7.28 inch / 505 x 185 mm				_	-	121 lbs / 55 kg
Pivot depth wheel - pneumatic tyre 2inch /579 x 264 mm (23 x 10.5-12)				_	-	137 lbs / 62 kg
Pivot depth wheel - pneumatic tyre inch / 660 x 305 mm (26 x 12-12)	-			-	-	143 lbs / 65 kg
Pivot depth wheel - pneumatic tyre 23 x 10.5-12 inch / 579 x 264 mm (23 x 10.5-12), hydraulic damped		-	-	_	-	276 lbs / 125 kg
Dual depth wheel - steel 19.88 x 7.28 inch / 505 x 185 mm						194 lbs / 88 kg
Dual depth wheel - pneumatic tyre 579 x 264 mm (23 x 10.5-12)						198 lbs / 90 kg
Dual depth wheel - pneumatic tyre 660 x 305 mm (26 x 12-12)						216 lbs / 98 kg
Dual depth wheel - pneumatic tyre 579 x 264 mm (23 x 10.5-12), hydraulically adjustable	_					242 lbs / 110 kg
Dual depth wheel - pneumatic tyre 660 x 305 mm (26 x 12-12), hydraulically adjustable	_					260 lbs / 118 kg
Transport pivot wheel - rear mounted 579 x 264 mm (23 x 10.5-12), hydraulic damped	_			_	_	276 lbs / 125 kg
Transport pivot wheel - rear mounted 755 x 270 mm (260/70 x 15.3), hydraulic damped	-	-	-			287 lbs / 130 kg
Transport pivot wheel, five furrow and up 755 x 270 mm (260/70 x 15.3), hydraulic damped	-					397 lbs / 180 kg
Transport pivot wheel - rear and mid mounted (five furrow and up) 755 x 270 mm (260/70 x 15.3), hydraulically adjustable	-					430 lbs / 195 kg
Transport pivot wheel - rear and mid mounted (five furrow and up) 780 x 340 mm (340/50 x 16)	-					448 lbs / 203 kg
Transport pivot wheel - rear and mid mounted (five furrow and up) 780 x 340 mm (340/50 x 16), hydraulically adjustable	_					481 lbs / 218 kg

 $[\]square$ = optional



Technical data

	Furrows	Cross shaft	Inter-body spacing	Underbeam clearance	Plough beam cross section	-Bare weight without additional tools
	2		95 / 102 cm			630 kg
SERVO 25	3 3 + 1	Cat. 2 / Width 2	85 / 95 / 102 cm 85 / 95 / 102 cm	80 / 74 cm	100 x 100 x 10 mm	845 kg 995 kg
	2		95 / 102 cm			740 kg
SERVO 25 NOVA	3	Cat. 2 / Width 2	85 / 95 / 102 cm	80 / 74 cm	100 x 100 x 10 mm	1020 kg
	3 + 1	Cat. 3 / Width 2	85 / 95 cm			1230 kg
	Furrows	Cross shaft	Inter-body spacing	Underbeam clearance	Plough beam cross section	-Bare weight without accessories
	3	Cat. 2 / Width 2	95 / 102 cm			955 kg
SERVO 35	3+1 / 4	Cat. 3 / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	1180 kg
	4 + 1	Cat. 3 / Width 2	95 cm			1255 kg
	3	Cat. 2 / Width 2	95 / 102 cm			1055 kg
SERVO 35 NOVA	4	Cat. 3 / Width 2	88 / 95 / 102 cm	80 cm	120 x 120 x 10 mm	1388 kg
	3	Cat. 2 / Width 2				1030 kg
SERVO 35 PLUS	3 + 1 / 4	Cat. 3 / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	1245 kg
	3	Cat. 2 / Width 2	95 / 102 cm			1195 kg
SERVO 35 PLUS NOVA	4	Cat. 3 / Width 2	88 / 95 / 102 cm	80 cm	120 x 120 x 10 mm	1515 kg
	Furrows	Cross shaft	Inter-body spacing	Underbeam	Plough beam cross	-Bare weight without
				clearance	section	accessories
	4	Cat. 3 / Width 2	95 / 102 cm			1215 kg
SERVO 35 S	4 + 1 / 5	Cat. 3 / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	1390 kg
	5 + 1	Cat. 3 / Width 3	95 cm			1675 kg
SERVO 35 S NOVA	4	Cot 0 / \\/idth 0	88 / 95 / 102 cm	80 cm	120 x 120 x10 mm	1485 kg
	4 + 1	Cat. 3 / Width 2	88 / 95 cm		120 X 120 X 10 11 11 11	1688 kg
0ED/0 05 0 DLLI0	4	0-4-0-////	95 / 102 cm	80 cm	100 v 100 v 10 mm	1350 kg
SERVO 35 S PLUS	4 + 1	Cat. 3 / Width 2	95 / 102 cm		120 x 120 x 10 mm	1585 kg
0ED) (0.05.0 DL 10.NO) (4.	4	0 1 0 //// 111 0	95 / 102 cm	00	100 100 10	1615 kg
SERVO 35 S PLUS NOVA	4 + 1 / 5	Cat. 3 / Width 2	95 cm	80 cm	120 x 120 x10 mm	1815 kg
	Furrows	Cross shaft	Inter-body spacing	Underbeam clearance	Plough beam cross section	-Bare weight without accessories
	4					1400 kg
SERVO 45 M	4+1/5	Cat. 3 / Width 3	95 / 102 cm	80 / 90 cm	140 x 140 x 10 mm	1625 kg
	4		95 / 102 cm			1620 kg
SERVO 45 M NOVA	4 + 1 / 5	Cat. 3 / Width 3	95 cm	80 cm	140 x 140 x 10 mm	1895 kg
SERVO 45 M PLUS	4 4 4 1 / 5	Cat. 3 / Width 3	95 / 102 cm	80 / 90 cm	140 x 140 x10 mm	1520 kg 1785 kg
	4		95 / 102 cm			1740 kg
SERVO 45 M PLUS NOVA	4 + 1 / 5	Cat. 3 / Width 3	95 cm	80 cm	140 x 140 x 10 mm	2055 kg
	Furrows	Cross shaft	Inter-body spacing	Underbeam clearance	Plough beam cross section	-Bare weight without accessories
	4					1330 kg
SERVO 45 S	4 + 1 / 5 5 + 1	Cat. 3 / Width 3	95 / 102 cm	80 / 90 cm	140 x 140 x 10 mm	1785 kg 1915 kg
	4		95 / 102 cm			1495 kg
SERVO 45 S NOVA	4 + 1 / 5	Cat. 3 / Width 3	95 / 102 cm	80 cm	140 x 140 x 10 mm	1890 kg
	6		95 cm			2235 kg
	3		115 cm			1160 kg
SERVO 45 S PLUS	4	Cat. 3 / Width 3	95 / 102 / 115 cm	80 / 90 cm	140 x 140 x 10 mm	1685 kg
	4+1/5		95 / 102 cm			2015 kg
	5 + 1 4		95 / 102 cm			2260 kg
SERVO 45 S PLUS NOVA	4 + 1 / 5	Cat. 3 / Width 3	95 / 102 cm	80 cm	140 x 140 x 10 mm	1880 kg 2130 kg
CLIVO TO OT LOO NOVA	6	Jul. 0 / WIUIII 0	50 / 102 GIII	OO OIII	170 / 170 / 10111111	2605 kg

Standard & Optional Equipment







The beam link - a central component

The conical shape of the beam link with wide spaced mounting on the turnover assembly means it can absorb high torque loads. The pins in the lubricated pivot points have anti-twist locks. Replaceable bushes in the turnover assembly and bearing block pivot points guarantee a long service life.

Beam alignment system available on standard ploughs

Wide furrow widths can often mean the plough has limited clearance when reversing. The solution is the optional beam alignment cylinder centralising the plough. It can also narrow overall width when in transport.

The hydraulic cylinder has a check valve so that the hoses are not under pressure during ploughing.

Ploughing with a furrow press

- The press is collected by the press arm's large jaw. It is hydraulically released before the plough is reversed.
- 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.
- On SERVO PLUS ploughs, the catching position is maintained precisely even if the furrow width is changed.
- The press arm can be fixed within the tractor width for road transport.
- The entire press arm can be removed quickly and easily.









	Cross shaft Cat. 2	Cross shaft Cat. 3	Enclosed cross shaft	Floating cross shaft Cat. 2
Weight		9 lbs / 4 kg	110 lbs / 50 kg	183 lbs / 83 kg
SERVO 25	•		-	
SERVO 35	=		-	
SERVO 35 S	-		_	
SERVO 45 M	-	•	-	-
SERVO 45 S	_			_







	TRACTION CONTROL	Plough beam alignment cylinder	SERVO PLUS memory cylinder
Weight	66 lbs /30 kg	99 lbs / 45 kg	20 lbs / 9 kg
SERVO 25	-	-	-
SERVO 35	-		
SERVO 35 S	-		
SERVO 45 M			-
SERVO 45 S			







	Hydraulic furrow press arm	Subsoiler	Marker boards and lighting
Weight	209 lbs / 95 kg	Pair 57 lbs / 26 kg	66 lbs / 30 kg
SERVO 25			П
SERVO 35			0
SERVO 35 S			0
SERVO 45 M			0
SERVO 45 S			О

 $[\]blacksquare$ = Standard, \square = Optional





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