SERVO
mounted reversible ploughs

PÖTTINGER

Perfect incorporation

97+210.EN.1119

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 stress. 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 modern mould boards is available to match every soil type.

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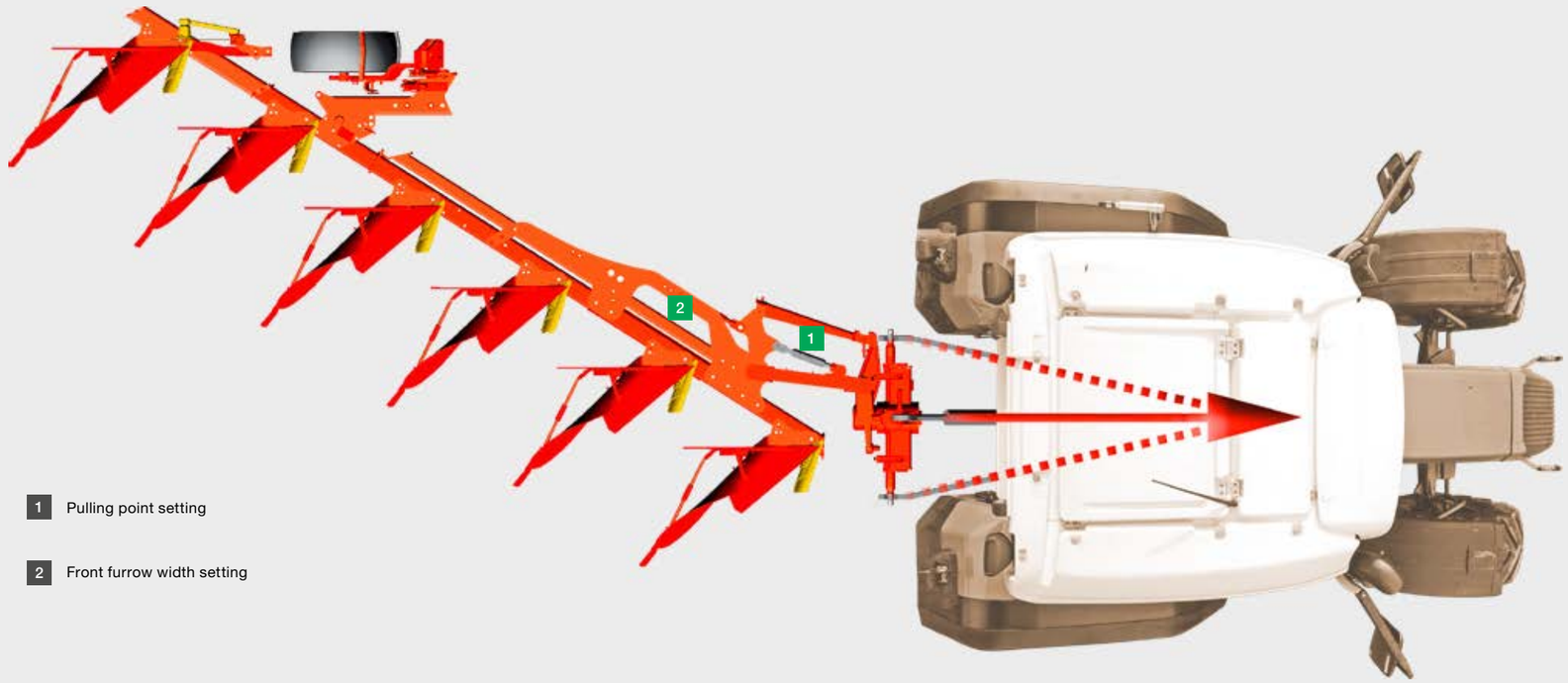
All information on technical data, dimensions, weights, output, etc. and the images shown, are approximate and are not binding. The machines shown do not feature country-specific equipment and may include equipment that is not supplied as standard, or is not available in all regions. Your PÖTTINGER dealership would be pleased to provide you with more information.



1 Pulling point setting

2 Front furrow width setting

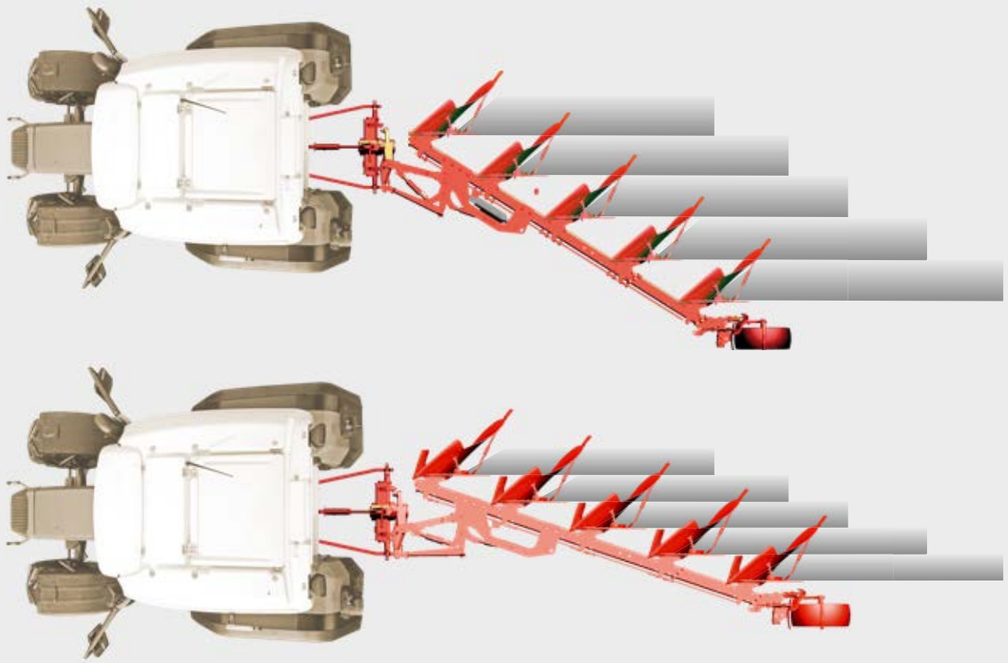
SERVOMATIC

For ploughs with mechanical furrow width adjustment

Setting up the plough correctly ensures smooth and productive ploughing. PÖTTINGER makes it easy for you to adjust the plough to the tractor and soil conditions using the SERVOMATIC control centre.
The front furrow width and pulling point are adjusted separately with ease and precision.

- Use the rear turnbuckle to set the front furrow width.
- Use the front turnbuckle to set the pulling point.
- The two functions 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

For SERVO PLUS ploughs 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.

Unique control centre

The furrow width is adjusted without the lower linkage wandering.

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.

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.

Memory cylinder

Available as an option for SERVO 35, 35 S and 45 S PLUS models with hydraulic furrow width adjustment. When the plough turns over, the memory cylinder reduces the furrow width to a minimum so that multiple furrow ploughs do not contact the ground when reversed.

Plough beam pivot cylinder

All SERVO 45 M and SERVO 45 S models are available with beam pivot cylinders. This is standard on the 6-furrow models. The plough beam pivot cylinder cylinder is available as an option for the SERVO 35 and SERVO 35 S Standard and NOVA models.
While being turned over, the plough beam is pivoted to maximise ground clearance. This system is impressive because it features such a small number of pivot points.

NONSTOP ploughing in stony soil

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

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

Hydro-mechanical stone protection

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 stone protection system offer maximum reliability and 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 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.

The right SERVO for you

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
SERVO 25		2-furrow																
			3-furrow															
			4-furrow															
SERVO 35			3-furrow															
				4-furrow														
					5-furrow													
SERVO 35 S					4-furrow													
						5-furrow												
							6-furrow											
SERVO 45 M								4-furrow										
									5-furrow									
										6-furrow								
SERVO 45 S											4-furrow							
												5-furrow						
													6-furrow					
SERVO 25 NOVA		2-furrow																
			3-furrow															
			4-furrow															
SERVO 35 NOVA			3-furrow															
				4-furrow														
SERVO 35 S NOVA					4-furrow													
						5-furrow												
SERVO 45 M NOVA								4-furrow										
									5-furrow									
SERVO 45 S NOVA												4-furrow						
													5-furrow					
														6-furrow				
SERVO 35 PLUS			3-furrow															
				4-furrow														
SERVO 35 S PLUS					4-furrow													
						5-furrow												
SERVO 45 M PLUS								4-furrow										
									5-furrow									
										6-furrow								
SERVO 45 S PLUS							3-furrow											
											4-furrow							
												5-furrow						
													6-furrow					
SERVO 35 PLUS NOVA			3-furrow															
				4-furrow														
SERVO 35 S PLUS NOVA					4-furrow													
						5-furrow												
SERVO 45 M PLUS NOVA								4-furrow										
									5-furrow									
SERVO 45 S PLUS NOVA												4-furrow						
													5-furrow					
														6-furrow				

Working widths 5 Inter-body spacing 85 / 88 cm	**Working widths** Inter-body spacing 95 cm	**Working widths** Inter-body spacing 102 cm	**Working widths** Inter-body spacing 115 cm
	0.66 / 0.74 / 0.82 / 0.90 m	0.70 / 0.80 / 0.88 / 0.96 m	
0.96 / 1.08 / 1.20 / 1.29 m	0.99 / 1.11 / 1.23 / 1.35 m	1.05 / 1.20 / 1.32 / 1.44 m	
1.28 / 1.44 / 1.60 / 1.72 m	1.32 / 1.48 / 1.64 / 1.80 m	1.40 / 1.60 / 1.76 / 1.92 m	
	0.90 / 1.05 / 1.20 / 1.35 / 1.50 m	0.96 / 1.14 / 1.29 / 1.44 / 1.62 m	
	1.20 / 1.40 / 1.60 / 1.80 / 2.00 m	1.28 / 1.52 / 1.72 / 1.92 / 2.16 m	
	1.50 / 1.75 / 2.00 / 2.25 / 2.50 m	1.60 / 1.90 / 2.15 / 2.40 / 2.70 m	
	1.20 / 1.40 / 1.60 / 1.80 / 2.00 m	1.28 / 1.52 / 1.72 / 1.92 / 2.16 m	
	1.50 / 1.75 / 2.00 / 2.25 / 2.50 m	1.60 / 1.90 / 2.15 / 2.40 / 2.70 m	
	1.80 / 2.10 / 2.40 / 2.70 / 3.00 m		
	1.20 / 1.40 / 1.60 / 1.80 / 2.00 m	1.28 / 1.52 / 1.72 / 1.92 / 2.16 m	
	1.50 / 1.75 / 2.00 / 2.25 / 2.50 m	1.60 / 1.90 / 2.15 / 2.40 / 2.70 m	
	1.80 / 2.10 / 2.40 / 2.70 / 3.00 m		
	1.20 / 1.40 / 1.60 / 1.80 / 2.00 m	1.28 / 1.52 / 1.72 / 1.92 / 2.16 m	
	1.50 / 1.75 / 2.00 / 2.25 / 2.50 m	1.60 / 1.90 / 2.15 / 2.40 / 2.70 m	
	1.80 / 2.10 / 2.40 / 2.70 / 3.00 m	1.92 / 2.28 / 2.58 / 2.88 / 3.24 m	
	0.66 / 0.74 / 0.82 / 0.90 m	0.70 / 0.80 / 0.88 / 0.96 m	
0.96 / 1.08 / 1.20 / 1.29 m	0.99 / 1.11 / 1.23 / 1.35 m	1.05 / 1.20 / 1.32 / 1.44 m	
1.28 / 1.44 / 1.60 / 1.72 m	1.32 / 1.48 / 1.64 / 1.80 m		
	0.90 / 1.05 / 1.20 / 1.35 / 1.50 m	0.96 / 1.14 / 1.29 / 1.44 / 1.62 m	
1.12 / 1.28 / 1.48 / 1.68 / 1.84 m	1.20 / 1.40 / 1.60 / 1.80 / 2.00 m	1.28 / 1.52 / 1.72 / 1.92 / 2.16 m	
1.12 / 1.28 / 1.48 / 1.68 / 1.84 m	1.20 / 1.40 / 1.60 / 1.80 / 2.00 m	1.28 / 1.52 / 1.72 / 1.92 / 2.16 m	
1.40 / 1.60 / 1.85 / 2.10 / 2.30 m	1.50 / 1.75 / 2.00 / 2.25 / 2.50 m		
	1.20 / 1.40 / 1.60 / 1.80 / 2.00 m	1.28 / 1.52 / 1.72 / 1.92 / 2.16 m	
	1.50 / 1.75 / 2.00 / 2.25 / 2.50 m	1.60 / 1.90 / 2.15 / 2.40 / 2.70 m	
	1.20 / 1.40 / 1.60 / 1.80 / 2.00 m	1.28 / 1.52 / 1.72 / 1.92 / 2.16 m	
	1.50 / 1.75 / 2.00 / 2.25 / 2.50 m	1.60 / 1.90 / 2.15 / 2.40 / 2.70 m	
	1.80 / 2.10 / 2.40 / 2.70 / 3.00 m		
	0.69 – 1.47 m	0.75 – 1.59 m	
	0.92 – 1.96 m	1.00 – 2.12 m	
	0.92 – 1.96 m	1.00 – 2.12 m	
	1.15 – 2.45 m	1.25 – 2.70 m	
	1.20 – 1.96 m	1.28 – 2.16 m	
	1.50 – 2.45 m	1.65 – 2.70 m	
	1.80 – 2.94 m		
			0.96 – 1.86 m
	0.92 – 1.96 m	1.00 – 2.16 m	1.28 – 2.48 m
	1.15 – 2.45 m	1.25 – 2.70 m	
	1.38 – 2.94 m	1.50 – 3.24 m	
	0.69 – 1.47 m	0.75 – 1.59 m	
	0.92 – 1.96 m	1.00 – 2.12 m	
	0.92 – 19.6 m	1.00 – 2.12 m	
	1.15 – 2.45 m		
	1.20 – 1.96 m	1.28 – 2.16 m	
	1.50 – 2.45 m		
	0.92 – 1.96 m	1.00 – 2.16 m	
	1.15 – 2.45 m	1.25 – 2.70 m	
	1.38 – 2.94 m		

For tractors up to 120 hp

Light power class ploughs for tractors up to 120 hp with SERVOMATIC central setting system for easy adjustment of pulling line. Plough is quickly adapted to every make of tractor for smooth and fuel-efficient ploughing. Available with 2, 3 and 4 furrows. NOVA version with hydraulic NONSTOP stone protection system.

SERVO 25 - an overview

SERVO 25 – entry level 2 to 4-furrow ploughs up to 120 hp	
Furrows	2 / 3 / 4 (3+1)
Beam cross-section	100 x 100 x 10 mm
Underbeam clearance	80 cm and 74 cm
Body mounting (leg)	80 x 30 mm
Working width per body	
Inter-body spacing 85 cm	33 / 36 / 40 / 43 cm
Inter-body spacing 95 cm	33 / 37 / 41 / 45 cm
Inter-body spacing 102 cm	35 / 40 / 44 / 48 cm

Bolted reinforcement in main plough beam bearing

On 4-furrow models there is an additional reinforcement bolted to the beam. No holes or welds that would weaken the beam.

Headstock

The forged press-formed section reaches under the turnover shaft to increase strength. A double acting reversing 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 control.

Turnover unit and turnover shaft

The turnover shaft is a solid shaft with a diameter of 80 mm. The tapered roller bearings are tensioned and adjusted using a castellated nut. The beam angle is adjusted using two turnbuckles.

Cat. 2 mounting axle, Cat. 3 optional

The full-length mounting axle can be adjusted to four positions and has an anti-twist lock. The correct positioning on the tractor is therefore always retained to achieve optimum clearance at all times.

Welded moulded leg mounting brackets

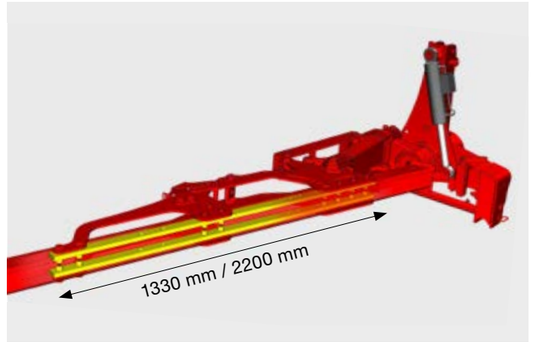
The bracket surrounds the plough beam tube with a large contact area to transfer forces to the beam.

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.

For tractors up to 170 hp

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 segment. For tractors up to 170 hp, the SERVO 35 S range featuring the more robust turnover mechanism is an ideal match.



For the toughest jobs

The inside of the full-length micro-alloyed fine-grain steel plough beam tube is strengthened by two bolted reinforcements. This technology is unique on the market.

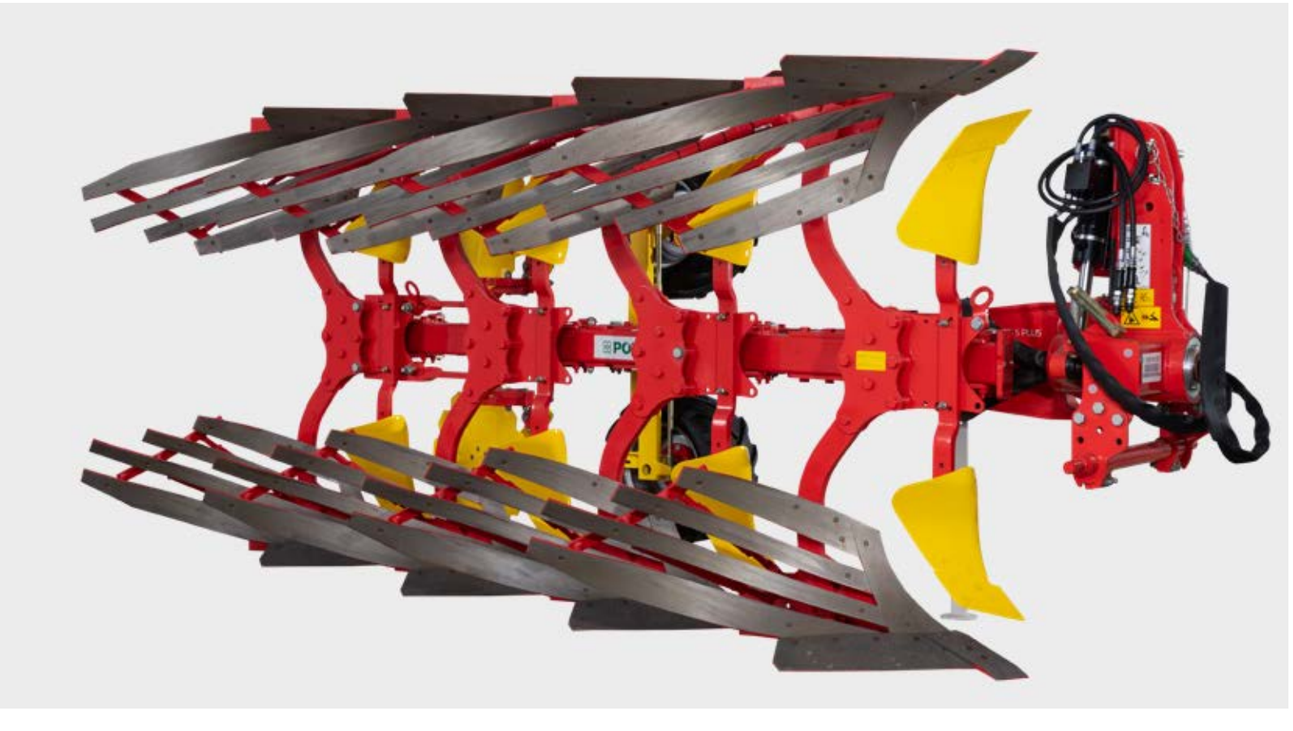
- Maximum plough beam rigidity at the point of maximum bending stress.
- The inner web increases resistance to flexing by up to 25 %.
- The firm seating of the bolted reinforcement forms a high-strength unit.
- No through bolts that could work loose. Secured using Nord-Lock washers.

Intelligent solution

The oversized main plough beam bearing extends 1330 mm (2200 mm on SERVO S version) to distribute forces acting on the beam up to well beyond the second body. The thick walls of the plough beam tube provide a secure seat for mounting plough legs and skims.

SERVO 35 / 35 S - an overview

	SERVO 35 up to 140 hp	**SERVO 35 S** up to 170 hp
Furrows	3 / 4 / 5	4 / 5 / 6
Mounting axle	Cat. II / Cat. III, width 2	Cat. III, width 2
Plough beam tube	120 x 120 x 10 mm	
Underbeam clearance	80 cm	
Leg	80 x 30 mm	
Working width per body		
Inter-body spacing 95 cm	30 / 35 / 40 / 45 / 50 cm	
Inter-body spacing 102 cm	32 / 38 / 43 / 48 / 54 cm	
SERVO PLUS 95 cm	23 – 49 cm	
SERVO PLUS 102 cm	25 – 53 cm	



The 140 hp and 170 hp class

The SERVO 35 range up to 140 hp matches this segment. For tractors up to 170 hp, the SERVO 35 S range featuring the SERVO 45 turnover mechanism is an ideal match.

SERVO 35 / 35 S models

- 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.

Reversing unit and turnover shaft

The turnover shaft on the SERVO 35 is 100 mm in diameter; on the SERVO 35 S it is 110 mm.
The reversing unit 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 dirt and locked with an adjustable castellated nut.
The beam angle is adjusted using two turnbuckles.

Headstock

- Double acting reversing cylinder with check valve; hoses are not under pressure during ploughing.
- The full-length mounting axle can be adjusted to four positions and has an anti-twist lock. The correct position on the tractor and optimum clearance at all times.

Three top link positions are possible. 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 area of contact 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.

For tractors up to 240 and 350 hp

Increasingly powerful tractors operate mounted ploughs with more than four furrows. Fast road travel and large inter-body spacing demand a robust headstock, powerful turnover mechanism and box-section plough beam.

SERVO 45 M - an overview

Furrows	4 / 5 / 6
Mounting axle	Cat. III, width 3
Plough beam tube	140 x 140 x 10 mm
Underbeam clearance	80 / 90 cm
Leg	80 x 35 mm

Working width per body	
Inter-body spacing 95 cm	30 / 35 / 40 / 45 / 50 cm
Inter-body spacing 102 cm	32 / 38 / 43 / 48 / 54 cm
SERVO PLUS 95 cm	23 – 49 cm
SERVO PLUS 102 cm	25 – 53 cm

Headstock

The full-length mounting axle can be adjusted to four positions and has an anti-twist lock. The correct position on the tractor and optimum clearance at all times.

Four top link positions

Including two slotted holes 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.

Turnover shaft

- SERVO 45 M diameter 130 mm.
- The reversing unit 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 dirt and locked with an adjustable castellated nut.
- The beam angle is adjusted using two turnbuckles.

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.

Headstock SERVO 45 S up to 350 hp

- The full-length mounting axle can be adjusted to four positions and has an anti-twist lock. Correct positioning on the tractor and optimum clearance at all times.
- Double mounting axle bearing on SERVO 45 S as option, standard on 6-furrow version.
- One bracket surrounds the plough beam with a large contact area for optimum transfer of forces to the beam.

Turnover shaft

- SERVO 45 S diameter 150 mm.
- The reversing unit 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 dirt and locked with an adjustable castellated nut.
- Beam angle is adjusted using two turnbuckles.

SERVO 45 S - an overview

Furrows	4 / 5 / 6
Mounting axle	Cat. III, width 3
Plough beam tube	140 x 140 x 10 mm
Underbeam clearance	80 / 90 cm
Leg	80 x 35 mm

Working width per body	
Inter-body spacing 95 cm	30 / 35 / 40 / 45 / 50 cm
Inter-body spacing 102 cm	32 / 38 / 43 / 48 / 54 cm
SERVO PLUS 95 cm	23 – 49 cm
SERVO PLUS 102 cm	25 – 53 cm

Three top link positions

Including two slotted holes 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.

Save fuel with SERVO 45 M and 45 S

TRACTION CONTROL on SERVO 45 M and 5 and 6 furrow 45 S mounted ploughs transfers weight from the plough to the tractor.

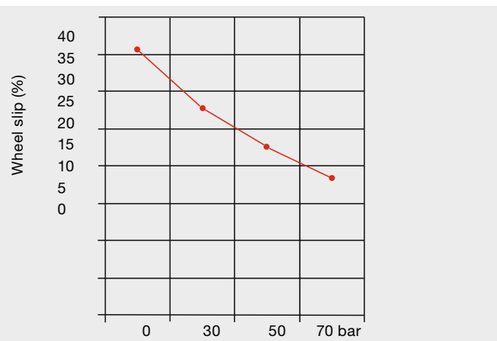
Wheel slips is reduced by perfectly matching the pulling force and load on the rear axle. As a result, this enables maximum performance on the part of the tractor. This saves fuel and conserves the soil. Preload pressure can be adjusted from the tractor seat. The pressure remains the same, even at the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

Test results with TRACTION CONTROL

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

The transmission of force using TRACTION CONTROL transfers weight from the plough to the rear axle 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 operated with the top link in the slotted hole. This allows the plough to adjust to the conditions of the soil. At the same time, the system ensures that there is optimum transmission of tractive power from the tractor to the plough.

TRACTION CONTROL - an overview

- 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 2.1 litres per hectare.

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 2.60 m, working depth 25 cm

Driving strategy	without TRACTION CONTROL	with 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
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

The beam link - a central component

The conical shape of the beam link with wide spaced mounting on the reversing unit means it can absorb high load torques.
The pins in the lubricated pivot points are equipped with anti twist locks this prevents excessive wear. Replaceable bushes in the reversing unit and bearing block pivot points guarantee a long service life.

Beam pivot system available on standard ploughs

With wide furrows, long inter-body spacing and when lifting clearance is too low, the plough beam is hydraulically pivoted while reversing.
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.

Ploughing with a furrow press

- The press is collected by the press arm's large jaw. It is hydraulically released before the plough is turned over.
- A five-position mounting means the furrow 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.

Original Parts

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 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 mouldboards

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

DURASTAR reversible points

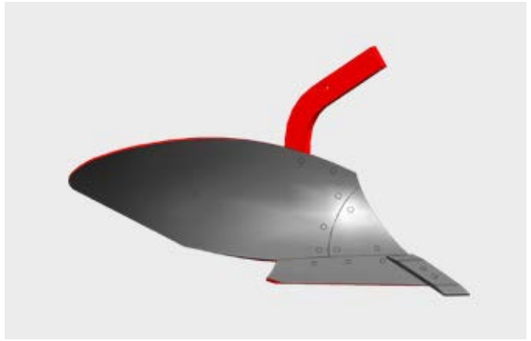
The tungsten carbide armour on the underside of our DURASTAR plough points reduces wear, increases the service life and ensures greatly increased replacement intervals. Because the points can be reversed it is possible to use both sides, which ensures optimum utilization of the material and leads to 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 plain share, the combined share and point is also made from hardened boron steel. The material thickness of 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.



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 compact soils (heathland, black-earth soil, etc.).

Mouldboards with a special carbonised layer are characterised by impressive durability thanks to a super-hard 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 mould boards

Mouldboards

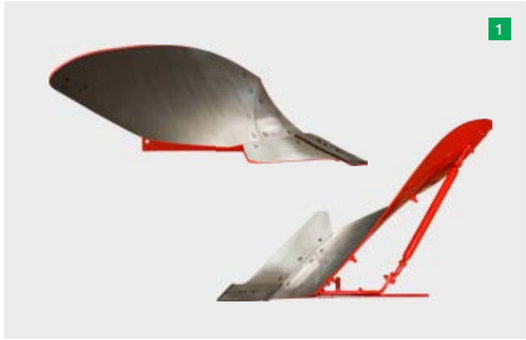
8 mm hardened fine grain steel - extremely resistant to wear.

DURASTAR slatted mouldboards

Slats 12 mm thick and hardened right through - extremely resistant to wear. Gap between 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 deposition welding are also available for extreme wear resistance.



Long, curved, mould board

1 27 Wc DURASTAR

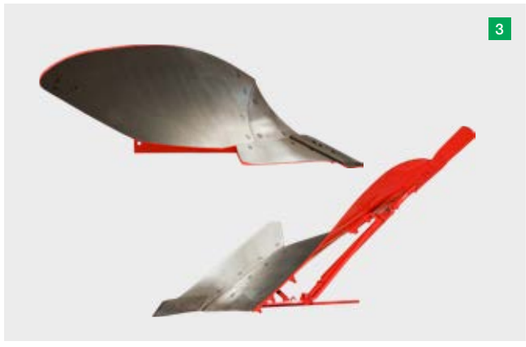
Low drag resistance, well suited to working on slopes. Ideal for ploughing meadow and flat land with good furrow clearance. Suitable for higher forward speeds.

- Working width up to 45 cm.
- Working depth up to 25 cm.
- Furrow clearance up to 48 cm.

2 36 W

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

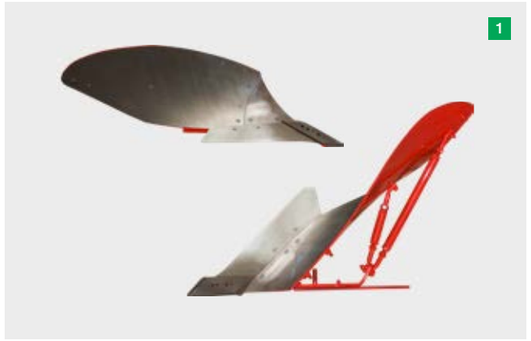
- Working width up to 45 cm.
- Working depth up to 25 cm.
- Furrow clearance up to 40 cm.



3 41 W

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

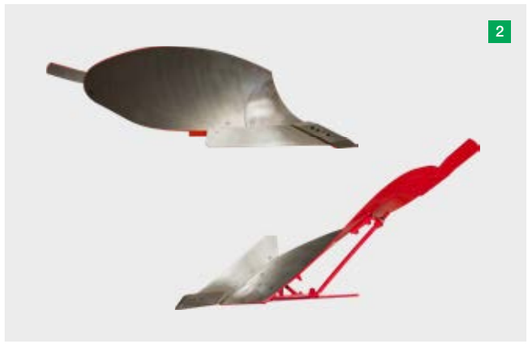
- Working width up to 45 cm.
- Working depth up to 30 cm.
- Furrow clearance up to 45 cm.



1 46 Wc DURASTAR

Good tilth and suitable for slopes, low draft 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 furrow ridge are the hallmarks of this mouldboard.

- Working width up to 54 cm.
- Working depth up to 35 cm.
- Furrow clearance up to 53 cm.



Universal body

2 36 UWc DURASTAR

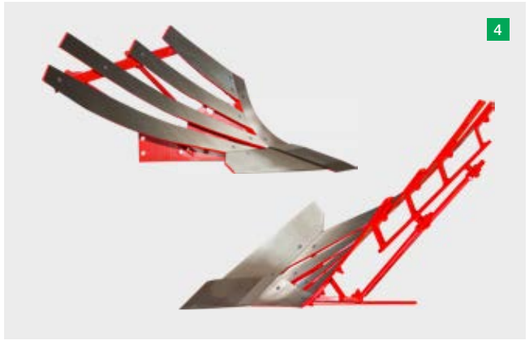
Universal mouldboard with very good furrow clearance and excellent tilth at normal working speed. Large quantities of harvest residues are ploughed in tidily. A low-drag body, suitable for most soils.

- Working width up to 50 cm.
- Working depth up to 30 cm.
- Furrow clearance up to 48 cm.

3 39 UWc DURASTAR

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

- Working width up to 54 cm.
- Working depth up to 35 cm.
- Furrow clearance up to 50 cm.

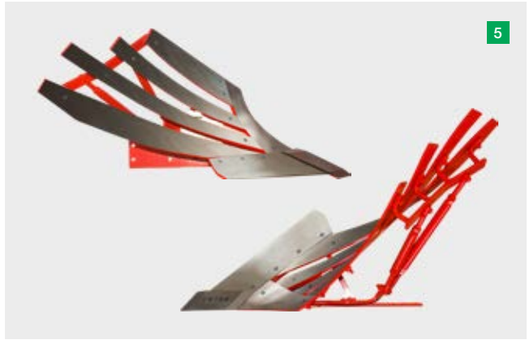


Slatted mouldboards

4 35 WSS DURASTAR

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

- Working width up to 54 cm.
- Working depth up to 35 cm.
- Furrow clearance up to 53 cm.

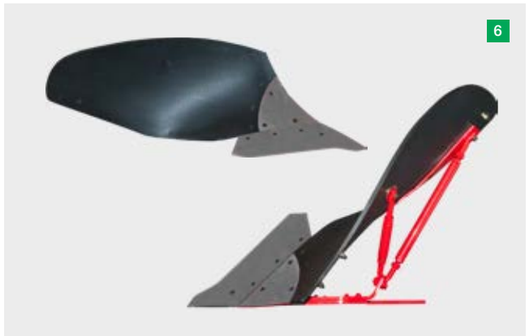


5 38 WWS DURASTAR

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 54 cm.
- Working depth up to 30 cm.
- Furrow clearance up to 50 cm.

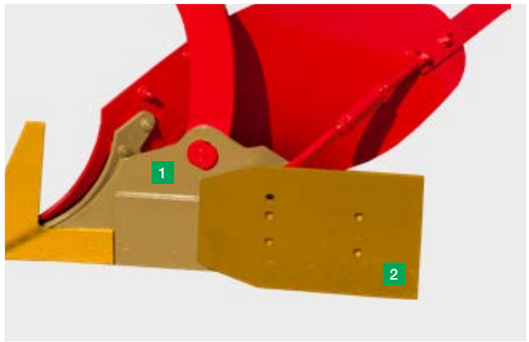
Synthetic mouldboard



6 50 RW

Material Robalon S, 15 mm thick, metal shin, geometry and frog same as 46 W.
Long, curved, high synthetic mouldboard for soils with low stability. Wide furrow clearance. Soil flows easily along surface. Use only with combined share and point. Not suitable for stony ground.

- Working width up to 54 cm.
- Working depth up to 35 cm.
- Furrow clearance up to 53 cm.



Proven plough body configuration

Frog

The frog is tempered to provide maximum strength and stability for mouldboards or slats. The single-piece shares sit on a forged raised part to give a precise, durable joint.

1 Angle adjustment

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

2 Large landsides for reliable plough tracking

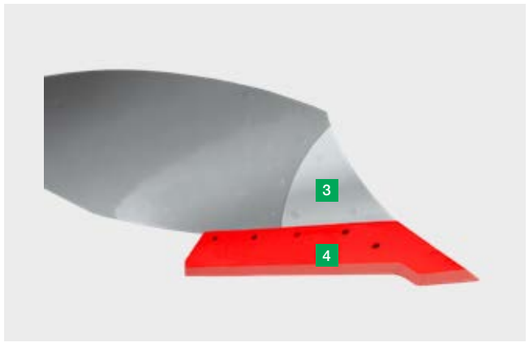
The landsides can be used four times to ensure cost efficient use of the parts. Landside protector standard on last body.

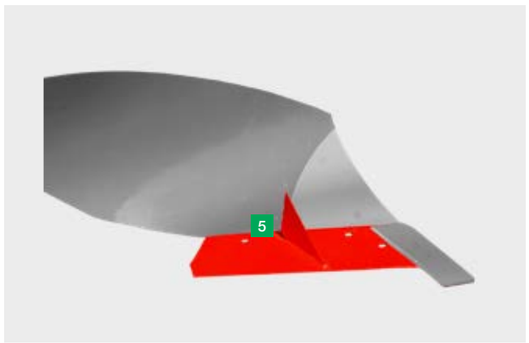
DURASTAR reversible points are standard

Chisel points with deposition welding. 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.

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





3 Share blades

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

4 Full-length combined share and point

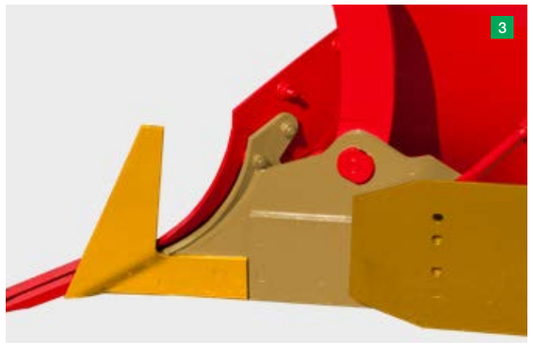
with powerful wear points. A large angle guarantees good penetration. Highly suitable for stony soils and shallow ploughing.
Armoured DURASTAR combined share and point are available as an option.

5 Knife share

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

6 Furrow widener for wide tyres

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



Coulter shapes

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

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.

1 Disc coulters, smooth or scalloped

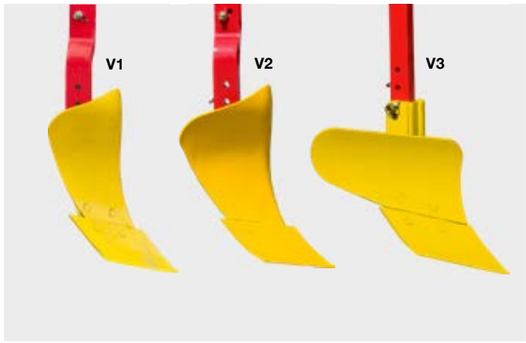
- 500 or 590 mm diameter with good self-cleaning characteristics.
- Star-shape indentations keep disc coulters rotating.
- Especially wide bearing spacing for the highest durability.
- Scalloped disc coulters rotate well in high levels of organic matter.

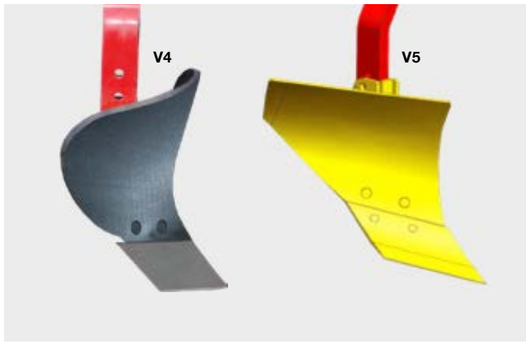
2 Spring-mounted coulter disc

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

3 Landside knife coulter

The landside knife coulter is a cost effective alternative to the disc coulter - from 22 cm working depth.





Skimmer

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

Skimmer adjustable without the need for tools

Same shank for all skimmers with multi-stage depth adjustment - no tools required. Distance from the mouldboard is adjustable via the 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, cover 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 incorporating high volume harvest residues and for very deep ploughing.

1 Trashboards

Alternatives for shallow ploughing and stony soil.

2 Leg deflector

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

Pivot depth wheel

The depth wheel pivots over during reversing. A pin moves it into the correct position for travel close to the beam. Depth adjustment via a turnbuckle. 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

From the 4-furrow version, 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.
- Forward-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.

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

Depth wheels

SERVO depth wheels	25	35	35 S	45 M	45 S	Weight
Depth wheel bracket front and rear from 4-furrow	□	□	□	□	□	19 kg
Pivot depth wheel - steel 505 x 185 mm	□	□	□	–	–	55 kg
Pivot depth wheel - pneumatic tyre 579 x 264 mm (23 x 10.5-12)	□	□	□	–	–	62 kg
Pivot depth wheel - pneumatic tyre 660 x 305 mm (26 x 12-12)	–	□	□	–	–	65 kg
Pivot depth wheel - pneumatic tyre 579 x 264 mm (23 x 10.5-12), hydraulic damped	□	–	–	–	–	125 kg
Dual depth wheel - steel 505 x 185 mm	□	□	□	□	□	88 kg
Dual depth wheel - pneumatic tyre 579 x 264 mm (23 x 10.5-12)	□	□	□	□	□	90 kg
Dual depth wheel - pneumatic tyre 660 x 305 mm (26 x 12-12)	□	□	□	□	□	98 kg
Dual depth wheel - pneumatic tyre 579 x 264 mm (23 x 10.5-12), hydraulically adjustable	–	□	□	□	□	110 kg
Dual depth wheel - pneumatic tyre 660 x 305 mm (26 x 12-12), hydraulically adjustable	–	□	□	□	□	118 kg
Transport pivot wheel - rear mounted 579 x 264 mm (23 x 10.5-12), hydraulic damped	–	□	□	–	–	125 kg
Transport pivot wheel - rear mounted 755 x 270 mm (260/70 x 15.3), hydraulic damped	–	–	–	□	□	130 kg
Transport pivot wheel, five furrow and up 755 x 270 mm (260/70 x 15.3), hydraulic damped	–	□	□	□	□	180 kg
Transport pivot wheel - rear and forward mounted (five furrow and up) 755 x 270 mm (260/70 x 15.3), hydraulically adjustable	–	□	□	□	□	195 kg
Transport pivot wheel - rear and forward mounted (five furrow and up) 780 x 340 mm (340/50 x 16)	–	□	□	□	□	203 kg
Transport pivot wheel - rear and forward mounted (five furrow and up) 780 x 340 mm (340/50 x 16), hydraulically adjustable	–	□	□	□	□	218 kg

□ = optional

Accessories

Often ordered together

	Cat. II mounting axle	Cat. III mounting axle	Mounting axle Double bearing	Steered axle Cat. II
Weight		4 kg	50 kg	83 kg
SERVO 25	■	□	–	□
SERVO 35	–	■	–	□
SERVO 35 S	–	■	–	□
SERVO 45 M	–	■	–	–
SERVO 45 S	–	■	□	–

	TRACTION CONTROL	Plough beam pivot cylinder	SERVO PLUS memory cylinder
Weight	30 kg	45 kg	9 kg
SERVO 25	–	–	–
SERVO 35	–	□	□
SERVO 35 S	–	□	□
SERVO 45 M	□	□	–
SERVO 45 S	□	□	–

	Hydraulic extension arm for furrow press	Subsoiler	Marker boards and lighting
Weight	95 kg	Pair 26 kg	30 kg
SERVO 25	□	□	□
SERVO 35	□	□	□
SERVO 35 S	□	□	□
SERVO 45 M	□	□	□
SERVO 45 S	□	□	□

■ = Standard, □ = Optional

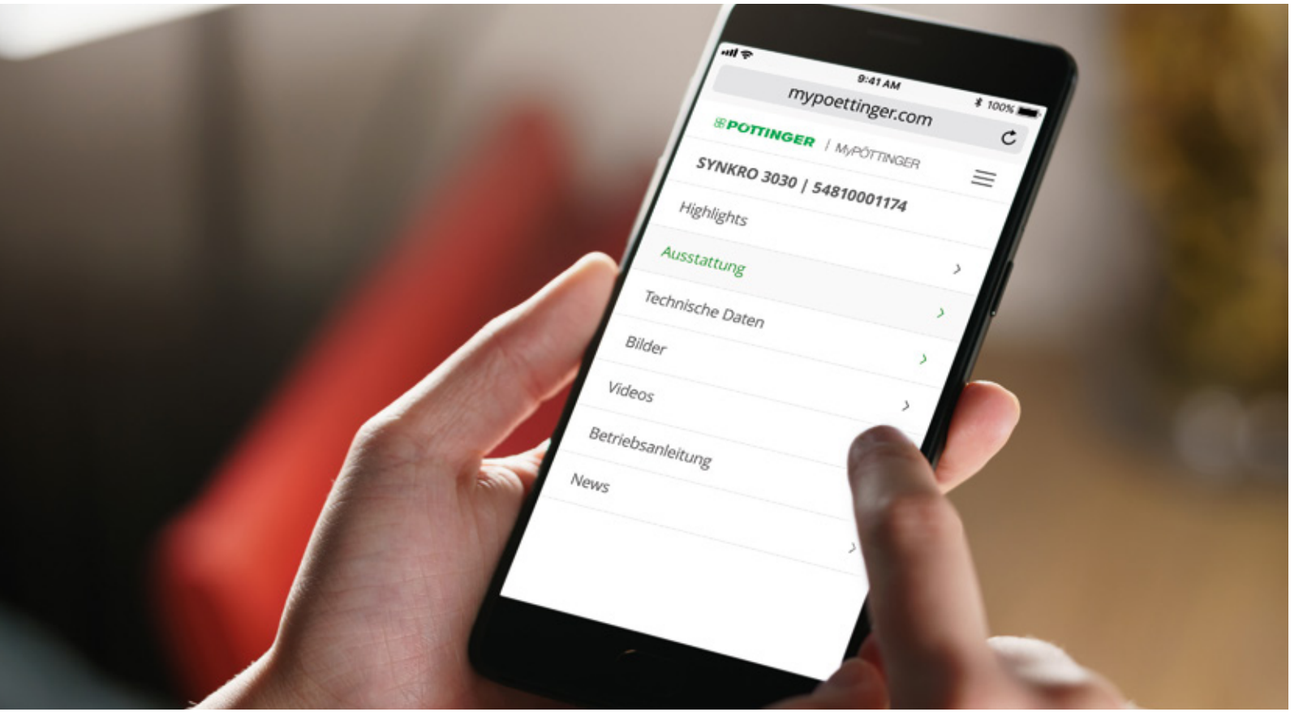
	Furrows	Mounting axle	Inter-body spacing	Underbeam clearance	Plough beam cross-section	Bare weight without additional tools
SERVO 25	2	Cat. II / Width 2	95 / 102 cm	80 / 74 cm	100 x 100 x 10 mm	630 kg
	3		85 / 95 / 102 cm			845 kg
	3 + 1		85 / 95 / 102 cm			995 kg
SERVO 25 NOVA	2	Cat. II / Width 2 Cat. III / Width 2	95 / 102 cm	80 / 74 cm	100 x 100 x 10 mm	740 kg
	3		85 / 95 / 102 cm			1020 kg
	3 + 1		85 / 95 cm			1230 kg

	Furrows	Mounting axle	Inter-body spacing	Underbeam clearance	Plough beam cross-section	Bare weight without additional tools
SERVO 35	3	Cat. II / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	955 kg
	3 + 1 / 4	Cat. III / Width 2	95 / 102 cm			1180 kg
	4 + 1	Cat. III / Width 2	95 cm			1255 kg
SERVO 35 NOVA	3	Cat. II / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	1055 kg
	4	Cat. III / Width 2	88 / 95 / 102 cm			1388 kg
SERVO 35 PLUS	3	Cat. II / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	1030 kg
	3 + 1 / 4	Cat. III / Width 2				1245 kg
SERVO 35 PLUS NOVA	3	Cat. II / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	1195 kg
	4	Cat. III / Width 2	88 / 95 / 102 cm			1515 kg

	Furrows	Mounting axle	Inter-body spacing	Underbeam clearance	Plough beam cross-section	Bare weight without additional tools
SERVO 35 S	4	Cat. III / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	1215 kg
	4 + 1 / 5	Cat. III / Width 2	95 / 102 cm			1390 kg
	5 + 1	Cat. III / Width 3	95 cm			1675 kg
SERVO 35 S NOVA	4	Cat. III / Width 2	88 / 95 / 102 cm	80 cm	120 x 120 x10 mm	1485 kg
	4 + 1		88 / 95 cm			1688 kg
SERVO 35 S PLUS	4	Cat. III / Width 2	95 / 102 cm	80 cm	120 x 120 x 10 mm	1350 kg
	4 + 1		95 / 102 cm			1585 kg
SERVO 35 S PLUS NOVA	4	Cat. III / Width 2	95 / 102 cm	80 cm	120 x 120 x10 mm	1615 kg
	4 + 1 / 5		95 cm			1815 kg

	Furrows	Mounting axle	Inter-body spacing	Underbeam clearance	Plough beam cross-section	Bare weight without additional tools
SERVO 45 M	4	Cat. III / Width 3	95 / 102 cm	80 / 90 cm	140 x 140 x 10 mm	1550 kg
	4 + 1 / 5	Cat. III / Width 3	95 / 102 cm			1400 kg
	5 + 1	Cat. III / Width 3	95 cm			1910 kg
SERVO 45 M NOVA	4	Cat. III / Width 3	95 / 102 cm	80 cm	140 x 140 x 10 mm	1620 kg
	4 + 1 / 5		95 cm			1895 kg
SERVO 45 M PLUS	4	Cat. III / Width 3	95 / 102 cm	80 / 90 cm	140 x 140 x10 mm	1520 kg
	4 + 1 / 5	Cat. III / Width 3	95 / 102 cm			1785 kg
	5 + 1	Cat. III / Width 3	95 cm			2090 kg
SERVO 45 M PLUS NOVA	4	Cat. III / Width 3	95 / 102 cm	80 cm	140 x 140 x 10 mm	1740 kg
	4 + 1 / 5		95 cm			2055 kg

	Furrows	Mounting axle	Inter-body spacing	Underbeam clearance	Plough beam cross-section	Bare weight without additional tools
SERVO 45 S	4	Cat. III / Width 3	95 / 102 cm	80 / 90 cm	140 x 140 x 10 mm	1330 kg
	4 + 1 / 5					1785 kg
	5 + 1					1915 kg
SERVO 45 S NOVA	4	Cat. III / Width 3	95 / 102 cm	80 cm	140 x 140 x 10 mm	1495 kg
	4 + 1 / 5		95 / 102 cm			1890 kg
	6		95 cm			2235 kg
SERVO 45 S PLUS	3	Cat. III / Width 3	115 cm	80 / 90 cm	140 x 140 x 10 mm	1160 kg
	4		95 / 102 / 115 cm			1685 kg
	4 + 1 / 5		95 / 102 cm			2015 kg
	5 + 1		95 / 102 cm			2260 kg
SERVO 45 S PLUS NOVA	4	Cat. III / Width 3	95 / 102 cm	80 cm	140 x 140 x 10 mm	1880 kg
	4 + 1 / 5					2130 kg
	6					2605 kg



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CLASSIC

DURASTAR

DURASTAR PLUS

Rely on the original

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

That is why we manufacture PÖTTINGER Original Parts from the highest quality materials. We ideally match each individual spare part and wear part to your machinery's overall system. This is because different soil and operating conditions often need to be taken into consideration.

He have been listening to our customers and now offer three different lines - CLASSIC, DURASTAR and DURASTAR PLUS - to make sure you have the right part to meet every requirement. Original parts are worth every cent, because know-how cannot be copied.

Your advantages

- Immediate and long-term availability.
- Maximum durability thanks to innovative production processes and the use of the highest quality materials.
- Avoidance of malfunctions due to a perfect fit.
- The best working results thanks to optimum match to the overall system of the machine.
- Save time and costs thanks to longer replacement intervals on wear parts.
- Comprehensive quality testing.
- Ongoing advancement through research and development.
- Worldwide spare parts supply.
- Attractive, competitive prices for all spare parts.

Wear parts

The CLASSIC line is for standard duty applications. With these ORIGINAL INSIDE parts we have defined the benchmark for quality, best price/ performance ratio and reliability.

DURASTAR is the innovation on the wear components market - durable, high quality, productive and reliable.

Are you used to putting your machines to work in the most extreme conditions? Then the DURASTAR PLUS line is the right choice for you.

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More Success with PÖTTINGER

- A family-owned company since 1871
  Your reliable partner
- Specialist for tillage, seed drills
  Hay and harvesting machines
- Future-safe innovation for outstanding working results
- Roots in Austria - at home throughout the world

Perfect incorporation

- PÖTTINGER ploughs ensure neat incorporation without any harvest residues left on the surface.
- Our ploughs stand for high strength and durability under high loads.
- Setting up is made easy thanks to SERVOMATIC - set the first furrow width and pulling point precisely and separately from each other.

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