Semi-mounted reversible ploughs
SERVO T 6000

PÖTTINGER

A strong partner

97+212.US.1122

A strong partner

SERVO T 6000
Semi-mounted reversible ploughs

Straightforward and cost effective to use, reliable operation in challenging conditions and impressive working results – these are the key factors that were taken into account during the development of the SERVO T. The new plough beam concept forms the basis for years of relentless operation.

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Ready for everything

Strong for the future

The SERVO T 6000 is the result of many years of ploughing experience and intensive development work at PÖTTINGER. The main beam section and the NOVA stone protection system have been revised from the ground up to optimize reliability. The straightforward and quick adjustment of the relevant settings and a tight turning radius at the headland save valuable time. Hard-wearing materials at heavily stressed points, as well as the proven TRACTION CONTROL system, reduce operating costs. A wide range of moldboards and additional tillage tools are also available for optimum formation of the furrow ridge and top quality seed bed.

Optimized plough beam design

The plough beam has been engineered to absorb the loads acting on it during operation even better. The configuration aligns the tractive forces along the same plane and minimizes deflections. This makes efficient use of the tractor's pulling power. In addition, the newly designed construction protects all bearing points and mounted components. For high versatility, a system for easily switching between in furrow ploughing and ploughing outside the furrow can be supplied as an option.

- Tractive forces are transmitted in a straight line by the stabilizer towards the rear axle of the tractor
- Enormous strength and reliability during operation
- Protects components and mounting elements
- Option for ploughing outside the furrow

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Up to 500 hp

We have prepared for the future. The increasing requirement for higher yields is leading to larger and more powerful tractors being used in the field. With the strong plough beam, an additional strut for support and double-sided linkage lugs for the lower linkage, this is designed to handle the highest tractive forces. The fittings are positioned so that they do not weaken the plough beam tube. The high strength body mountings reliably transfer forces to the plough body.

Ready for the toughest jobs

The proven NOVA hydraulic stone protection system has been further developed to meet the toughest challenges. An optimized design ensures maximum triggering pressure and the best re-engagement with low weight. The integrated cylinder is protected against dust and dirt. The centrally located hydraulic accumulators are well protected and ensure even pressure distribution in the system.

- Adjustable triggering pressure on each element for the hardest and heaviest soils
- The pressure increases when the leg moves up to ensure rapid ground penetration again afterwards
- Trip clearance of 1'5" upwards and 20° to the side
- Additional shear bolt for extreme loads

Designed for success

Drive outside the furrow

For more soil conservation and when using tractors with wide tires, dual wheels or crawler tracks, the SERVO T 6000 and the On-Land versions can also be driven outside the furrow. This reduces soil pressure in deeper soil layers and prevents compaction of the furrow bottom. In addition, the pull line is in a straight line when ploughing outside the furrow. This results in less side pull, more efficient power transmission and less wear. Precision work is possible thanks to the use of steering systems. However, if this is not possible due to the site conditions, the plough beam can also be set for in the furrow if required.

For high volumes of residues

Incorporating large quantities of straw and plant residues places special demands on a plough. Thanks to the large underframe clearance and sufficient point-to-point spacing, organic matter is reliably conveyed under the soil without blockages. Skimmers and trash boards are available as an option to provide additional assistance with this task.

- Underframe clearance of either 2'7" or 2'11" (standard and PLUS ploughs)
- Point-to-point spacing 3'4"
- Wide choice of additional tillage tools

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Clean and tidy results

The optional disc colter and landside knife coulter provide a well-defined furrow edge. This is particularly important for field boundaries as well as for ploughing grassland.

Up to the edge of the field

The plough beam is designed to enable ploughing to the very edge of the field. The support wheel runs inside the last body. This means that clean and tidy incorporation of plant residues and weeds is possible without crossing the field boundary.

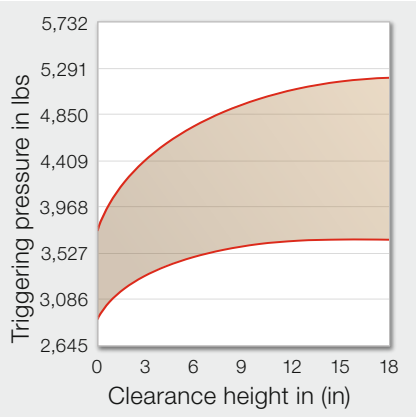
More space

The wide furrow bottom clearing of the plough bodies means that wide tractor tires can be used. As an option, a furrow widener can be used to expand the existing space in the furrow. A subsoiler can be added to loosen the bottom of the furrow and give plants access to deeper soil layers. The space available for plant roots and usable field capacity are increased and ensure higher nutrient and water efficiency.

Ready for the toughest jobs

Maximum strength

Uniform, trouble-free operation in areas with a high stone content and heavy soils is not a contradiction in terms thanks to the reliable NOVA stone protection system. A selection of highly resilient materials combined with finely controllable hydraulics makes the system an indispensable tool in extreme situations. Being able to work continuously while outputting high quality working results increases productivity and contributes to a higher area output.



Innovative

The optimized design of the system brings significant advantages in the field. The integrated cylinder is protected against dirt and damage. The components are configured to ensure a large trip clearance of 1'6" while at the same time reducing the weight of the entire construction.

Controllable power

With a single-acting connection, the pressure in the hydraulic system can be adjusted accurately and quickly. The maximum adjustable triggering pressure of 3,747 lbs increases when the leg moves up to ensure rapid soil re-entry. A central pressure control bank with a total of four hydraulic accumulators reliably absorbs high load peaks and ensures a smooth return to the working position.

Safety first

In addition to the NOVA system, an additional shear bolt is fitted to prevent damage to the plough in the event of a point snagging on an obstacle, rock or tree rootstock. It ensures that the plough bodies and beam are protected from excessive loads. The shear bolt is hardened to ensure clean shearing so that easy replacement is possible.

Maximum output

More traction

Save on operating costs and increase the efficiency of your tractor with optional TRACTION CONTROL. The proven system actively transfers weight to the rear axle of the tractor. The resulting increase in traction guarantees effective drive power in any terrain. In addition, fuel consumption can be reduced by up to .375 gallons per acre, which ultimately increases profit.

- Infinitely variable adjustable
- up to 2,425 lbs more weight on the rear axle of the tractor
- Switches off automatically in the transport position and while turning

Wear resistant

Extremely wear-resistant DURASTAR chisel points and share blades ensure a long service life in the most difficult conditions and contribute to long replacement intervals. In addition to reversible points, a particularly robust combined share and point is also available, which demonstrates incredible strength when working in soil with high levels of stones. Reliable soil penetration and perfect work quality are always guaranteed as a result.

- Long service life of the reversible points thanks to tungsten carbide armor plating
- Shares made of hardened boron steel

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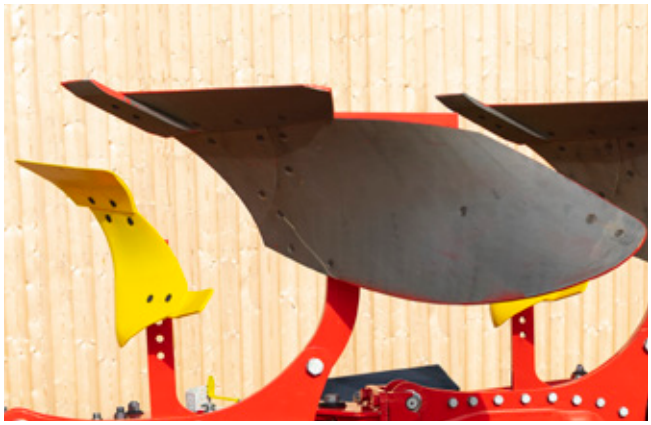

Optimized work process

The turnover shaft is located close to the tractor. This allows a maximum turning angle as well as an efficient tractor-plough pull line. In addition, the support wheel mounting pivots to reduces the turning radius at the headland. This saves time during each turn and increases the area covered per hour.

Short breaks

All greasing points and adjustment points are easily and quickly accessible. Short set-up times are the result.

Ploughing with a furrow press

Ploughing with a furrow press completes two work steps in one pass. The furrow press is drawn along by a large press arm. This is hydraulically decoupled at the headland. The catching position can be adjusted in five steps to guarantee smooth operation with different furrow widths.

- 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.

Proven reliability

Quick set-up

The settings that need to be made on the SERVO T 6000 can be made easily and intuitively in just a few steps. The working depth is set using swing clips on the support wheel. The front furrow width can be adjusted using the turnbuckle on the stabilizer. The triggering pressure of the NOVA stone protection system can be conveniently changed using the spool valve on the tractor.

- Easily accessible setting points
- Each swing clip changes the working depth by 1"
- Simply rotate the mechanical turnbuckle

Seamless merging between passes

The furrow width of the first plough body can be easily adjusted using the mechanical turnbuckle or optionally using a hydraulic cylinder. This convenient solution means there is no need to leave the tractor cab. In combination with the PLUS system, the furrow width is automatically adjusted when the working width is changed.

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The convenient PLUS

If required, the working width can be hydraulically adjusted to the soil conditions, the working depth, the application and the tractor power. The furrow width of the first body is adjusted accordingly, there is no need for readjustment. This way, the best working results are always ensured. The easy-to-maintain pivot points are fitted with high-quality bushings that are easy to grease for a long service life.

- Large adjustment range of 13" to 22" per body
- Components mounted on play-free bearings
- Controlled using a double-acting spool valve
- Easy to plough tight corners and headlands

Additional flexibility

With a few steps you can switch from ploughing in the furrow to On-Land ploughing. To achieve this, the On-Land beam link shifts the plough beam outwards. This means that it can be used with tractors with an outer width of up to 13'1". In order to ensure consistent depth control, an additional front depth control wheel is implemented as a pivot depth wheel within the frame. Due to intelligent use of the spool valves, no additional connection is necessary.

Maximum convenience

PLUS models

A high degree of flexibility is a basic requirement for efficient work in the field. While working around trees, pits, masts and other obstacles takes up a lot of time with a rigid plough, only one adjustment needs to be made with the PLUS hydraulic working width adjustment system. This means the plough can be adapted quickly and safely to changing conditions in the field. But even if the furrow depth is changed, straightforward adaptation of the furrow width is useful to make sure you always get a well formed furrow ridge and perfect working quality. At the same time, the quality of work remains consistent because the furrow width of the front furrow is always automatically transferred to the remaining furrows.

From narrow to wide

Thanks to the PLUS system, it is possible to quickly adjust the furrow width to plough around obstacles, field edges and headlands. The different formation of the furrow ridges when changing the working width has agronomic advantages. All specifications are met with a full adjustment range between 1'1" and 1'10" on each plough body. Our standard ploughs have 5-step manual furrow width adjustment.

Proven technology

The furrow width adjustment lever is mounted on play-free bearings and is located on the outside of the main beam section. This precisely transmits every change in the cylinder to the plough bodies. The pivot points on the adjustment lever are fitted with high quality components that are easy to grease. All greasing points are easily accessible.

Mounting and transport

Attaching the implement

The SERVO T 6000 is attached to the tractor using double sided linkage lugs.
Different ball dimensions are available, either Cat. III or Cat. IV for large tractors. In the parked position, a support ensures safe stowage.
A long drawbar provides more space for turning maneuvers and narrow entrances.

Excellent road holding

Driving on the road between the fields is just as convenient as the actual work. The low frame around the support wheel gives the plough a lower center of gravity. This ensures smooth and stable road holding. The large support wheel and turnover cylinder shut-off valves also enhance safety on the road.

Removable lighting rig

In order to be noticed by other road users as well as possible, there is a slot-in lighting rig. This ensures a smooth and safe road transport and work in the field can be resumed quickly. Because the lighting rig is removed during ploughing, it is protected from soil and stones during operation so that it cannot become dirty or damaged.

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All set to go

A different number of hydraulic connections are needed to operate the plough depending on the equipment options. The following connections are required for each function.

Clearly marked shut-off valves are located on the drawbar to control individual functions, such as the triggering pressure.

Overview of hydraulic connections

Standard	NOVA	PLUS	Optional
1 DA[1] for turnover	1 DA for turnover	1 DA for turnover	1 DA + 1 open return for TRACTION CONTROL
1 SA[2] for chassis	1 SA for chassis	1 SA for chassis	1 SA for press arm
	1 SA for triggering pressure	1 DA for furrow width	
		1 DA for front furrow width	

[1] DA = double acting connection
[2] SA = single acting connection

All the advantages at a glance

1 Mounting

Cat. III and Cat. IV double sided linkage lugs for the lower linkage guarantees high strength. These ensure that power is transmitted efficiently from the tractor to the plough.

- Turning angle of over 90 degrees possible

2 TRACTION CONTROL

The weight transferred to the rear axle of the tractor by the hydraulic cylinder increases traction and reduces slippage. Increased traction is essential for cost effective operation because it saves time and money.

- Up to 2,425 lbs more ballast

3 Turnover mechanism

Two telescopic hydraulic cylinders turnover the plough reliably and smoothly at the headland. These are mechanically locked during road transport. Easily adjustable, rugged stops ensure precise beam angle adjustment.

4 PLUS

The furrow width can easily be adjusted from the tractor seat. The furrow width does not affect the width of the front plough body.

- Working widths of 1'1" to 1'10" on each plough body

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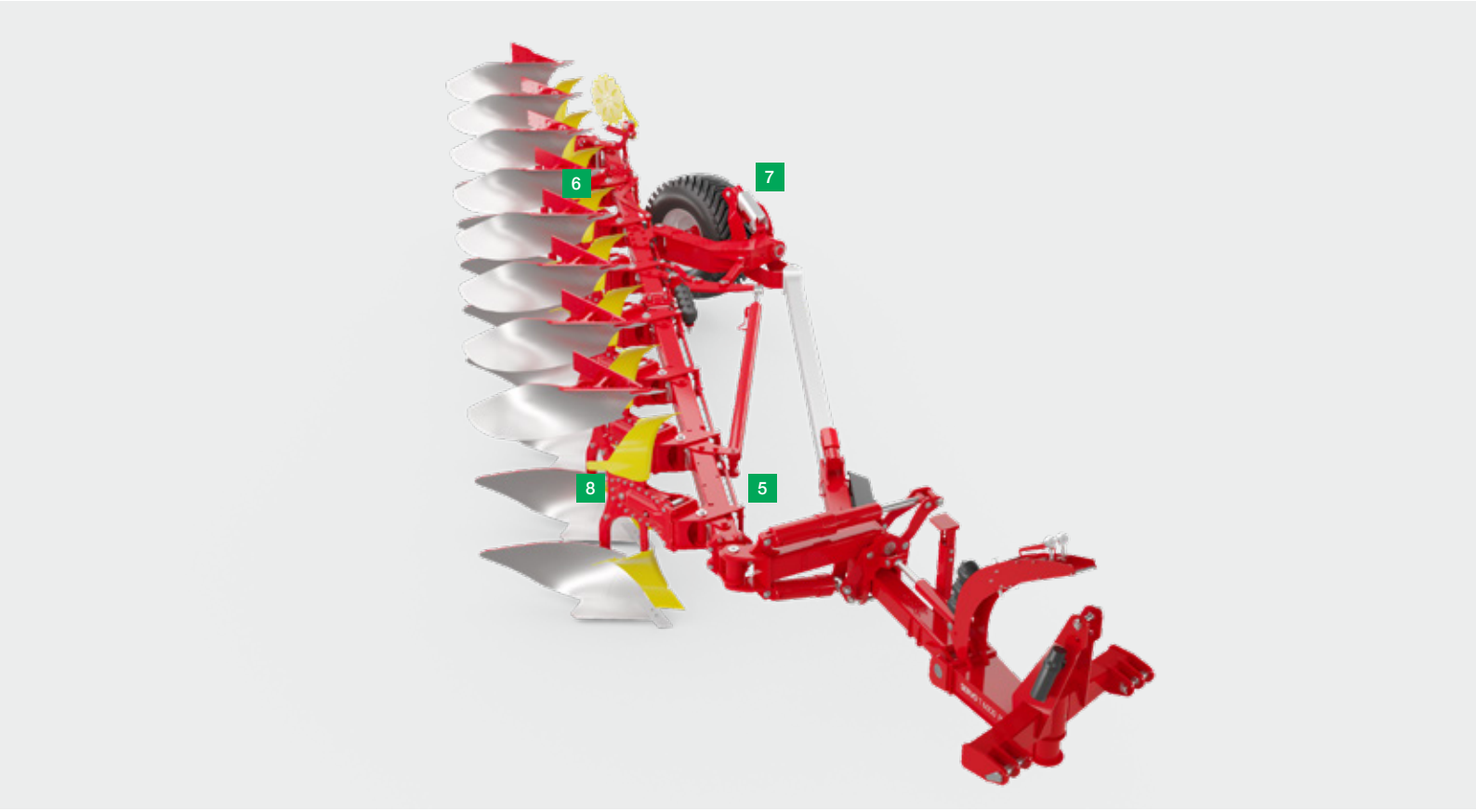


5 Front furrow width

The working width of the front body can be adjusted either mechanically by using spindle, or hydraulically as an option. If the furrow width is changed using the PLUS system, the front furrow width is automatically adjusted as well.

- Large setting range for tractor inside track width from 3'3" to 4'11"

6 Intelligent design

The pushed frame system is aligned with the forces acting on it so that they are optimally transmitted. With the optional On-Land system, driving with the tractor outside the furrow is also possible for improved soil conservation.

- Ploughing along field boundaries is no problem
- Smooth road transport

7 Depth transport wheel

During the turning process, the wheel steers passively to reduce the turning radius. Easily accessible swing clips are used to adjust the depth.

- Dimension 500/45-22.5

8 NOVA stone protection

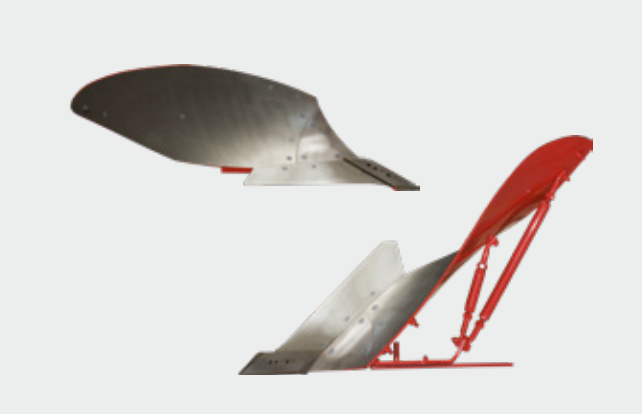
The triggering pressure can be infinitely variable adjusted using a single-acting spool valve. This design saves weight and space.

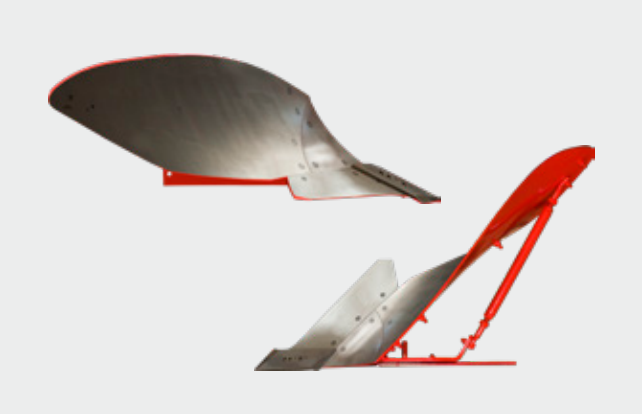
- Maximum triggering pressure 3,747 lbs
- The pressure increases as the leg moves up for rapid soil re-entry
- Trip clearance 1'6"

Focused on your success

Long moldboards

Delivering consistently good working results is the requirement for every moldboard. With particularly heavy soil types, a long twist in the moldboard is decisive in forming a clean and tidy furrow ridge. Our optimized moldboards combine the best crumbling effect with fuel-saving operation.





46 Wc DURASTAR

Good seed bed 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 moldboard.

- Working width up to 1'9"
- Working depth up to 1'1"
- Furrow clearance up to 1'8"

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 1'5"
- Working depth up to 9"
- Furrow clearance up to 1'6"

Mouldboards

41 W

Long, curved mold board for heavy, sticky soil. Moderate working speed for good formation of the furrow ridge.

- Working width up to 1'5"
- Working depth up to 11"
- Furrow clearance up to 1'5"

Wear resistant moldboards

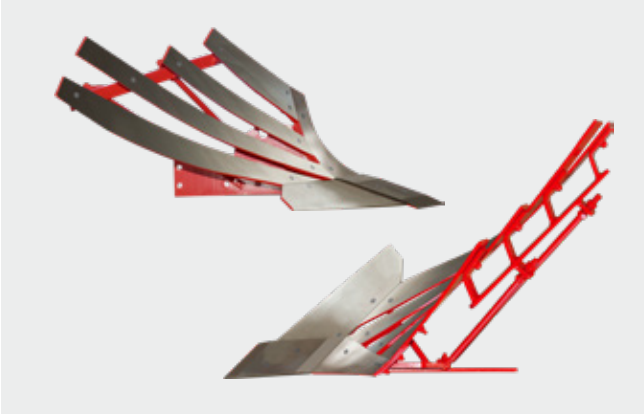
The CLASSIC plough bodies are carbonized to withstand surface wear. This makes the steel harder and more resistant on the outside, so that the service life of the components is significantly increased. The core, on the other hand, remains flexible. This prevents fractures and cracks from occurring when the material is subjected to stress.

The standard version of the DURASTAR 46 Wc, 27 Wc, 36 UWc and 39 UWc mouldboards are case hardened. This keeps you operating cost effectively and saves you valuable time.

Focused on your success

Slatted mouldboards

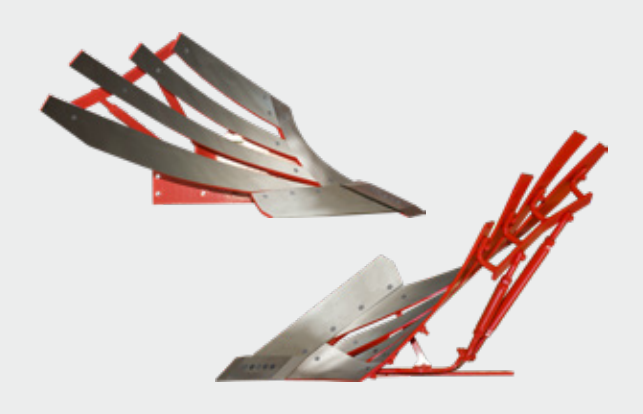
The poor flow behavior of some soil types is counteracted by our slatted moldboards, which give you a clear advantage. The reduced surface friction contributes to a smooth turning movement. In addition, they have a positive effect on seed bed. The specially hardened slats are robust and resistant.



35 WSS DURASTAR

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

- Working width up to 1'9"
- Working depth up to 1'1"
- Furrow clearance up to 1'8"



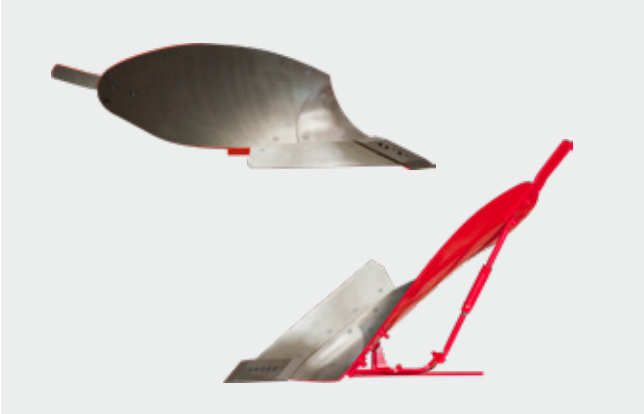
38 WWS DURASTAR

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

- Working width up to 1'9"
- Working depth up to 11"
- Furrow clearance up to 1'7"

Universal moldboards

For changing soil conditions within a farm, these universal moldboards deliver excellent performance and are the best solution. They combine efficient operation with solid working results. They are particularly impressive working in high volumes of harvest residues.



36 UWc DURASTAR

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

- Working width up to 1'7"
- Working depth up to 11"
- Furrow clearance up to 1'6"

39 UWc DURASTAR

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

- Working width up to 1'9"
- Working depth up to 1'1"
- Furrow clearance up to 1'7"

Equipment options

Disc colters

Delivering a clean-cut finish not only looks good, these discs guarantee precise turning of the furrow ridge and a clean furrow bottom. In addition to disc colters, landside knife coulters are also available.

Adjustable bracket

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

- Bracket positioned forward: The disc colter is located in front of the skimmer. Plenty of space for large volumes of organic matter (maize straw, for example).
- Bracket positioned back: The disc colter is close to the skimmer for light, free-flowing soil and shallow ploughing.

Plain or scalloped disc colters

- 1'7" or 1'11" diameter with good self-cleaning
- Star-shape indentations for added strength
- Especially wide bearing spacing for the highest durability
- Scalloped disc colters rotate well in high levels of organic matter

Spring-mounted colter disc

- Special linkage combined with spiral spring
- Pre-tension adjusted using spindle
- Simple method of avoiding stones
- Available as an option on all SERVO ploughs

Landside knife colter

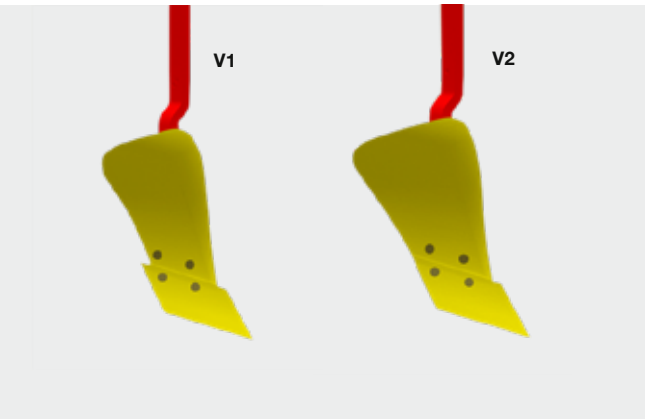
The landside knife colter is a more cost effective version when compared to disc coulters. They can be mounted on the last plough body or on every plough body. Can be mounted on the last plough body or on every plough body.

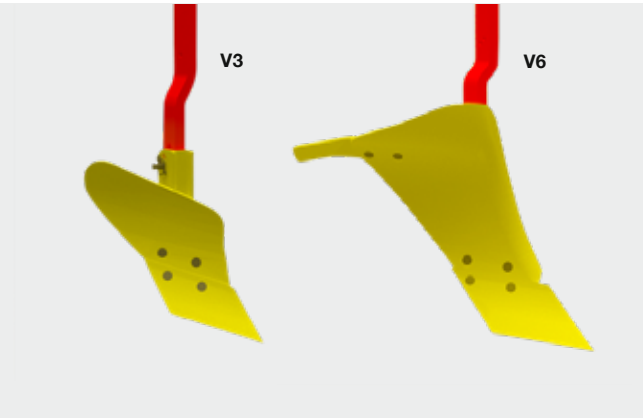
Skimmer

A wide choice of skimmer geometries offers the best ploughing pattern for all conditions. The tools support the reliable incorporation of various plant residues for blockage-free work.

Skimmer adjustable without the need for tools

The depth is adjusted using the hole matrix on the leg, no tools required. The position of the leg in relation to the moldboard can be adjusted using the hole matrix on the plough frame. The skimmer is protected against stones by a shear bolt.





V1 skimmer

Designed for all skimmer applications.

V2 skimmer

Designed for high volumes of organic matter and deep ploughing.

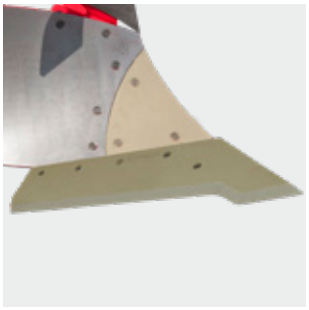
V3 skimmer

Good working results especially when shallow ploughing.

V6 skimmer

Large, high body shape with additional trash board for incorporating large quantities of organic matter, especially maize straw.

Accessories



SERVO	Chisel point (reversible) DURASTAR	Combined share and point	TRACTION CONTROL
T 6000	■	□	□
T 6000 N	■	□	□
T 6000 P	■	□	□
T 6000 PN	■	□	□

SERVO	Other equipment (leg deflector, trash board, landside knife colter)	Furrow widener	Subsoiler
T 6000	□	□	□
T 6000 N	□	□	□
T 6000 P	□	□	□
T 6000 PN	□	□	□

■ = Standard, □ = Optional
N = NOVA, P = PLUS, PN = PLUS NOVA

Often ordered together

Front furrow width hydraulically adjustable

□

□

□

□

On-Land equipment package

□

□

□

□

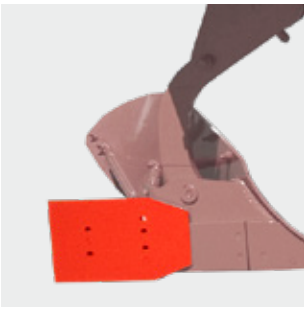
Press arm

□

□

□

□



Landside protector at last body

■

■

■

■

Warning signs and lighting

□

□

□

□

More equipment options

- Lower linkage mounting Cat. IV / 3 or Cat. IV / 4
- Landside protector on all bodies
- Underframe clearance 2'11" on standard and PLUS
- EU type approval

Technical data

SERVO T 6000
Semi-mounted reversible ploughs

SERVO	**T 6000**				**T 6000 N**		
Number of shares	6	7	8	9	6	7	8
Mounting	Cat. III / 3, Cat. IV / 3, Cat. IV / 4				Cat. III / 3, Cat. IV / 3, Cat. IV / 4		
Point-to-point spacing (in)	40				40		
Underframe clearance (in)	31 / 35				31		
Furrow width (ftin)	1'1" - 1'4" - 1'6" - 1'8" - 1'10"				1'1" - 1'4" - 1'6" - 1'8" - 1'10"		
Frame thickness (in)	6" x 6" x 3/8"		6" x 6" x 1/2"		6" x 6" x 3/8"		6" x 6" x 1/2"
Depth transport wheel	500/45-22.5				500/45-22.5		
Power requirement (hp)	160	180	200	220	190	210	230
Transport length[1] (ftin)	27'5"	30'8"	33'10"	37'1"	29'8"	33'	36'1"
Weight[2] (lbs)	6,635	7,231	7,936	8,576	8,135	8,995	9,944

SERVO	**T 6000 P**				**T 6000 PN**		
Number of shares	6	7	8	9	6	7	8
Mounting	Cat. III / 3, Cat. IV / 3, Cat. IV / 4				Cat. III / 3, Cat. IV / 3, Cat. IV / 4		
Point-to-point spacing (ftin)	3'4"				3'4"		
Underframe clearance (in)	3" / 3.5"				3"		
Furrow width (in)	13" - 22"				13" - 22"		
Frame thickness (in)	6" x 6" x 3/8"		6" x 6" x 1/2"		6" x 6" x 3/8"		6" x 6" x 1/2"
Depth transport wheel	500/45-22.5				500/45-22.5		
Power requirement (hp)	170	190	210	230	200	220	240
Transport length[1] (ftin)	27'5"	30'8"	33'10"	37'1"	39'8"	33'	36'1"
Weight[2] (lbs)	7,118	7,801	8,554	9,214	8,708	9,634	10,644

[1] Basic machine + lighting
[2] Without additional tools
P = PLUS, N = NOVA, PN = PLUS NOVA

MyPÖTTINGER

MyPÖTTINGER – it’s easy. Anytime. Anywhere.

Benefit from numerous advantages

MyPÖTTINGER is our customer portal that provides you with key information about your PÖTTINGER machines.

Get specific information and useful tips on your PÖTTINGER machines in “My machines”. And find out more about the PÖTTINGER product range.

My machines

Add your PÖTTINGER machinery to “My machines” and assign a name. You will receive valuable information such as: useful tips on your machine, operating instructions, spare parts lists, maintenance information, as well as all the technical details and documentation.

Info on the product range

MyPÖTTINGER provides you with machine-specific information for all machines built starting 1997.

Scan the QR code on the machine’s data plate with a smartphone or tablet or go to www.mypoettinger.com and enter the machine number from the comfort of your own home. You will immediately receive all the information on your machine, such as: instruction manuals, equipment options information, brochures, photos and videos.

ORIGINAL PARTS

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.

We 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.

More success with PÖTTINGER

- A family-owned company since 1871
  Your reliable partner
- Specialist for arable and grassland
- Future-safe innovation for outstanding working results
- Roots in Austria – at home throughout the world

SERVO T 6000

- The robust frame construction and NOVA stone protection system ensure relentless operation in all conditions.
- Easy adjustment of all the relevant settings assisted by hydraulics and easy accessibility.
- The best quality tilth and reliable incorporation of plant residues and straw to ensure a clean and tidy ploughing pattern.

Ask for more information:

PÖTTINGER Landtechnik GmbH
Industriegelände 1
4710 Grieskirchen
Austria
Phone +43 7248 600-0
info@poettinger.at
www.poettinger.at

POETTINGER Canada Inc.
460 Rue Robinson Sud
Granby, QC, J2G 7N6
Canada
Phone +1 450 372 5595
info@poettinger.ca
www.poettinger.ca

POETTINGER US, Inc.
2855 Slover Road
Valparaiso, IN 46383
USA
Phone +1 219 510 5534
info@poettinger.us
www.poettinger.us