

Compact disc harrows
from 8 metres wide
TERRADISC

 **PÖTTINGER**

For the best soil movement



Revitalising the soil



The TERRADISC compact disc harrow is designed specifically for stubble cultivation and seedbed preparation. Thanks to the compact design and aggressive disc angle, reliable penetration and intensive incorporation of harvest residues is ensured.

Table of contents

TERRADISC disc harrows

Perfect penetration – TWIN ARM system	4-5
To withstand high stress – high quality engineering	6-7
Very convenient – setting up made easy	8-9

Trailed, folding compact disc harrows

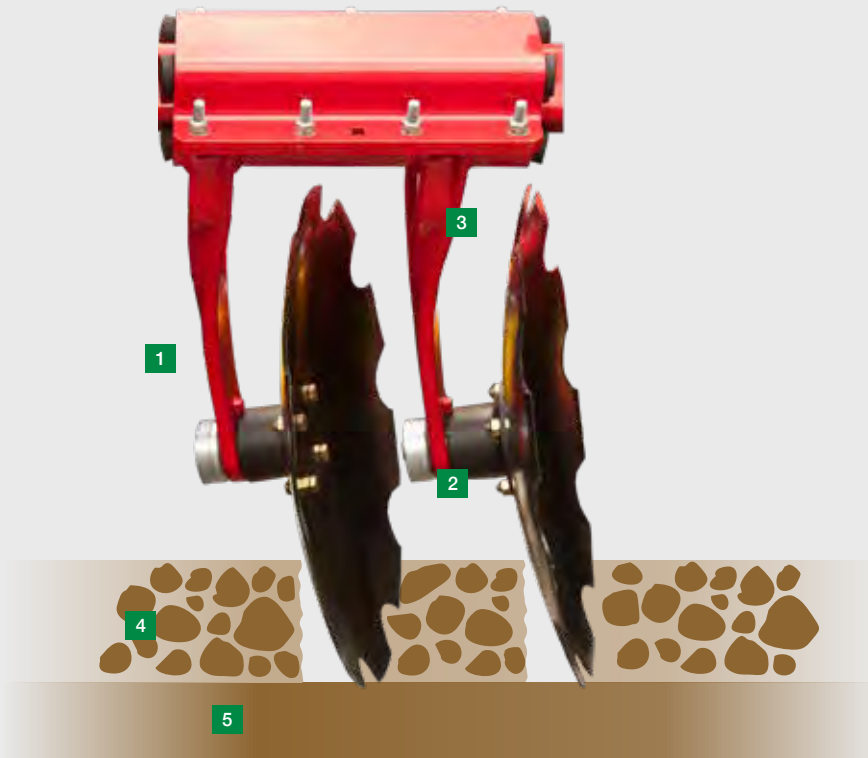
Working width up to 10 m	10-13
Best ground tracking	14-15
Effective working width	16-17
Mounting and chassis	18-19
Convenient operation	20-21

Accessories / Technical data

Equipment options	22-23
Rear rollers	24-25
Accessories	26-27
Technical data	28-29
MyPÖTTINGER / ORIGINAL PARTS	30-31

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.

Perfect penetration



The best soil movement

A uniform level finish with the best mixing performance meets farmer's and contractor's expectations in the field. To achieve this, PÖTTINGER has optimised the geometry, size, plus both mounting angle and penetration angle of the discs. The result: low draft, perfect penetration, the best tilth and mixing effect, even in dry soil. The high tare weight of the TERRADISC also ensures the dependable performance of this disc harrow.

TWIN ARM

Two solid forged carrier arms are welded to every wide clamping bracket. This ensures that the discs always retain their position and angle. Even in heavy soil it is impossible for them to deviate to the side – hard wheel marks are broken up consistently.

Clever tillage tools

The rugged scalloped discs made of special heat-treated steel have a diameter of 580 mm. Eight discs per metre of working width equate to a spacing of just 12.5 cm. The optimised interplay of ground penetration angle and mounting angle ensure perfect performance. The offset configuration of the aggressive discs mixes harvest residues effectively into the soil.

Universal from shallow to deep

The discs on TERRADISC harrows have an optimum diameter. The disc diameter of 580 mm ensures the whole surface is moved even at shallow working depths from 5 cm. At the same time, reliable mixing of the soil is enabled even when working deeper.

- 1 Perfect entry thanks to aggressive disc angle
- 2 Blockage-free operation thanks to large clearances
- 3 Extended service life with tempered and forged parts
- 4 Worked soil – uniform and level finish following consistent movement
- 5 Unworked soil



Generous inter-disc clearance

Ideal cultivating results are achieved thanks to optimum spacing of the discs.

- Plenty of space between discs and carrier arms.
- The carrier arms are angled facing the direction of rotation so that the risk of stones or harvest residues becoming lodged between the disc and arm is greatly reduced.
- A large clearance between the disc and clamping bracket means large quantities of organic matter can easily pass through.

For high workloads



Maximum uptime and durability

Fast operating speeds and working depths down to 15 cm mean the disc bearings have to withstand considerable stress. That is why PÖTTINGER has implemented high-quality bearings for an extended service life.

This guarantees trouble-free work even in the most difficult operating conditions.

Tough and reliable

The special twin-race taper bearings have been adopted from the construction machinery industry. Ruggedness and reliability are guaranteed as a result whilst shock loads are absorbed effortlessly.

- The sealed, twin-race taper bearings are completely maintenance-free.
- A labyrinth seal provides the best protection for the bearing.
- A metal cover encapsulates the labyrinth seal for additional protection.
- The bearings are fitted to the disc carrier arm by a stub axle.
- The nuts are protected by caps mounted on the same stub shaft.



NONSTOP protection against stones

40 mm thick rubber elements have provided proven, maintenance-free NONSTOP trip leg action for many years. The clamping brackets are mounted on a thick walled box section frame. Four rubber elements between each wide clamping bracket and the box section provide the discs with high penetration power.

Adjustable discs

The discs on the TWIN ARMS above the tractor wheel marks can be height adjusted by up to 5 cm. This ensures full-surface movement and a flat finish across the whole working width. A consistent and uniform working result across the entire width of the machine provides a good basis for the next process. This means that it is not necessary to lower the entire machine to reliably cultivate the wheel marks. Power requirement and fuel consumption are reduced. For perfect merging between passes, the outer pair of discs can be set deeper.

Convenience



Convenient operation thanks to Profiline

Profit from the equipment options and operate your TERRADISC 8 or 10 machine without dismounting. The Profiline version machines are set up and controlled using the ISOBUS control system. This is fully hydraulic and can be operated using the Expert 75 terminal or the monitor in the tractor.

Operation for:

- Hydraulic depth adjustment - varying the working depth from 5 to 15 cm.
- Load sensing system for perfect ground tracking and ensuring a long service life for your tractor's hydraulic components.
- Fold the disc harrow at the press of a button.



Practical support

The specially developed linkage for the mounting brackets on which the levelling tines (available as an option) are mounted adjusts automatically when the working depth changes. No separate adjustment necessary.

The jockey wheels ensure that a uniform working depth is maintained in all conditions.

The working depth is set as standard using swing clips.

Edging boards as standard

For a uniform surface finish, adjustable edging boards are provided on both sides as standard equipment. Due to the optimised configuration, the soil is reliably kept within the machine width. This ensures a neat interface between passes.

Trailed, folding compact disc harrows



TERRADISC 8001 T / 10001 T



Trailed, folding compact disc harrows

The TERRADISC T models with a working width of 8 to 10 m are transported on a dedicated chassis.

At the headland, the machine is raised using the rear roller. This leads to an even distribution of the machine weight over the entire working width and minimises harmful soil compaction.

With the Tandem CONOROLL rear roller, the machine travels on the rear roller to avoid lateral forces (see figure on page 28).

The multifunctional transport wheels perform the same function in the working position as the jockey wheels.

Trailed, folding compact disc harrows

Working width up to 10 m



Reliability and flexibility

- Reliable penetration even in dry conditions.
- Harvest residues are incorporated blockage-free.
- Perfect seedbed preparation.
- Working depth variable between 5 cm and 15 cm.

Efficiency

- The PÖTTINGER TERRADISC models offer their full working width in the field.
- Wear part replacement costs are kept low because these strong discs have a diameter of 580 mm and a material thickness of 5 mm.
- High output thanks to high driving speeds.

TERRADISC 8001 T / 10001 T



- 1 Depth adjusted hydraulically using rear rollers
- 2 Solid, forged TWIN ARM disc mounting system
- 3 Large jockey wheels for perfect ground tracking
- 4 Choice of rear rollers for optimum consolidation

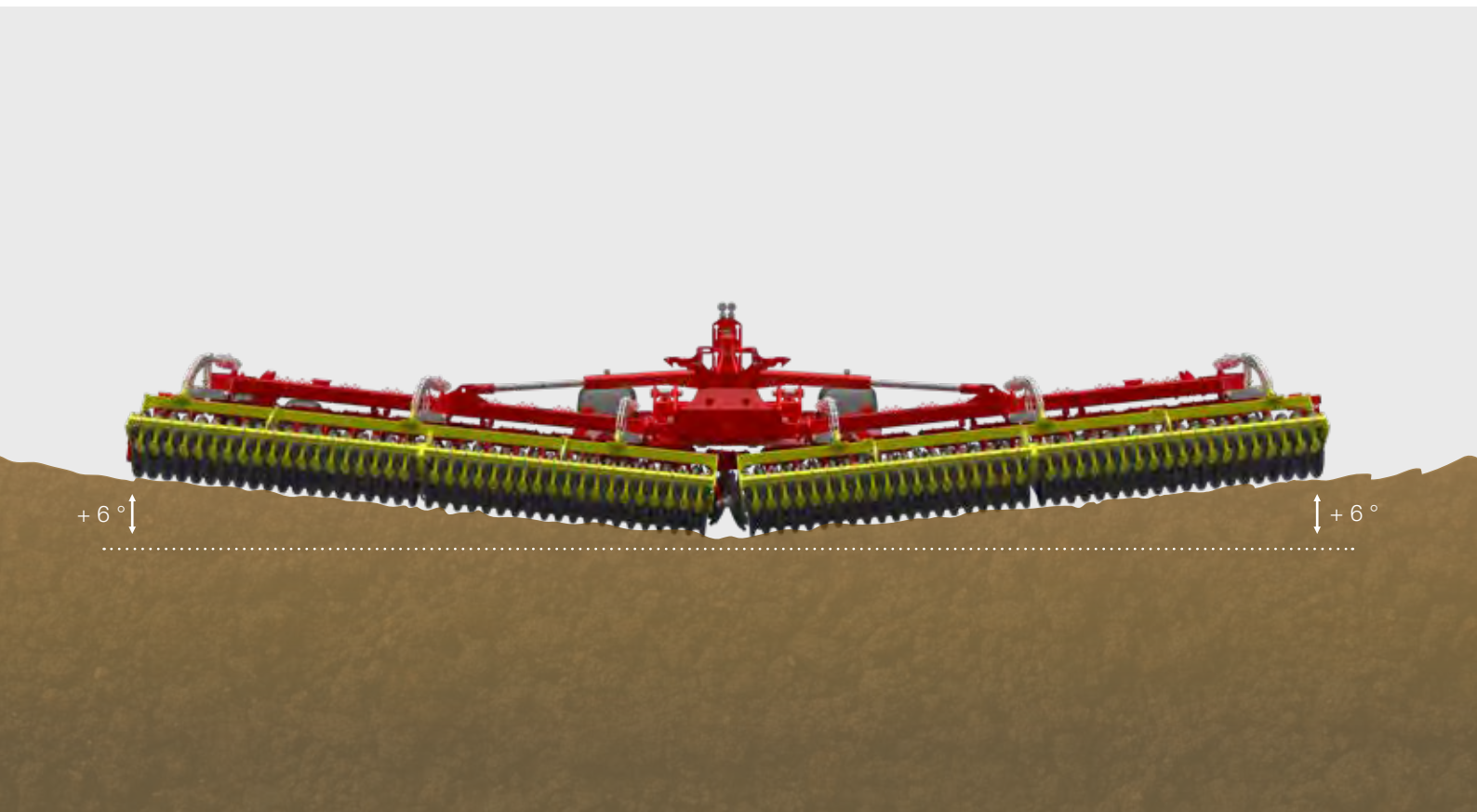
Convenience

- Multiple adjustment capabilities.
- Low maintenance requirement – discs mounted on sealed bearings.
- Convenient operation – ISOBUS functionality thanks to our EXPERT control terminal.
- Carriage chassis ensures smooth running and compact transport dimensions.
- A pressure correction factor for the folding sections and the rear roller can be set on both the standard control terminal versions and the ISOBUS systems.
- The inclination adjustment to control crabbing is operated using the central cylinder and is also standard on both machines. Efficient operation without overlaps is guaranteed as a result.

Working results

- Perfect ground tracking with $+6^\circ$ / -3° freedom of movement
- Uniform working depth.
- Reliable incorporation of high volumes of organic matter thanks to TWIN ARM system.
- The best soil movement.
- Optimum consolidation.
- Perfect utilisation of the tractor's pulling power – saves fuel as a result.

The best ground tracking



Perfect working results

Perfect penetration and no sideways deviation is guaranteed, even on dry soil. The TERRADISC guarantees neat incorporation of harvest residues, especially with high levels of straw and mulch residues.

This is ensured by the aggressive disc angle as well as the offset arrangement of the proven TWIN ARM system. The high tare weight of the TERRADISC also ensures the dependable performance of this disc harrow. Hydraulic jockey wheels (dual depth wheel 340/55-10) are available as an option for perfect ground tracking.

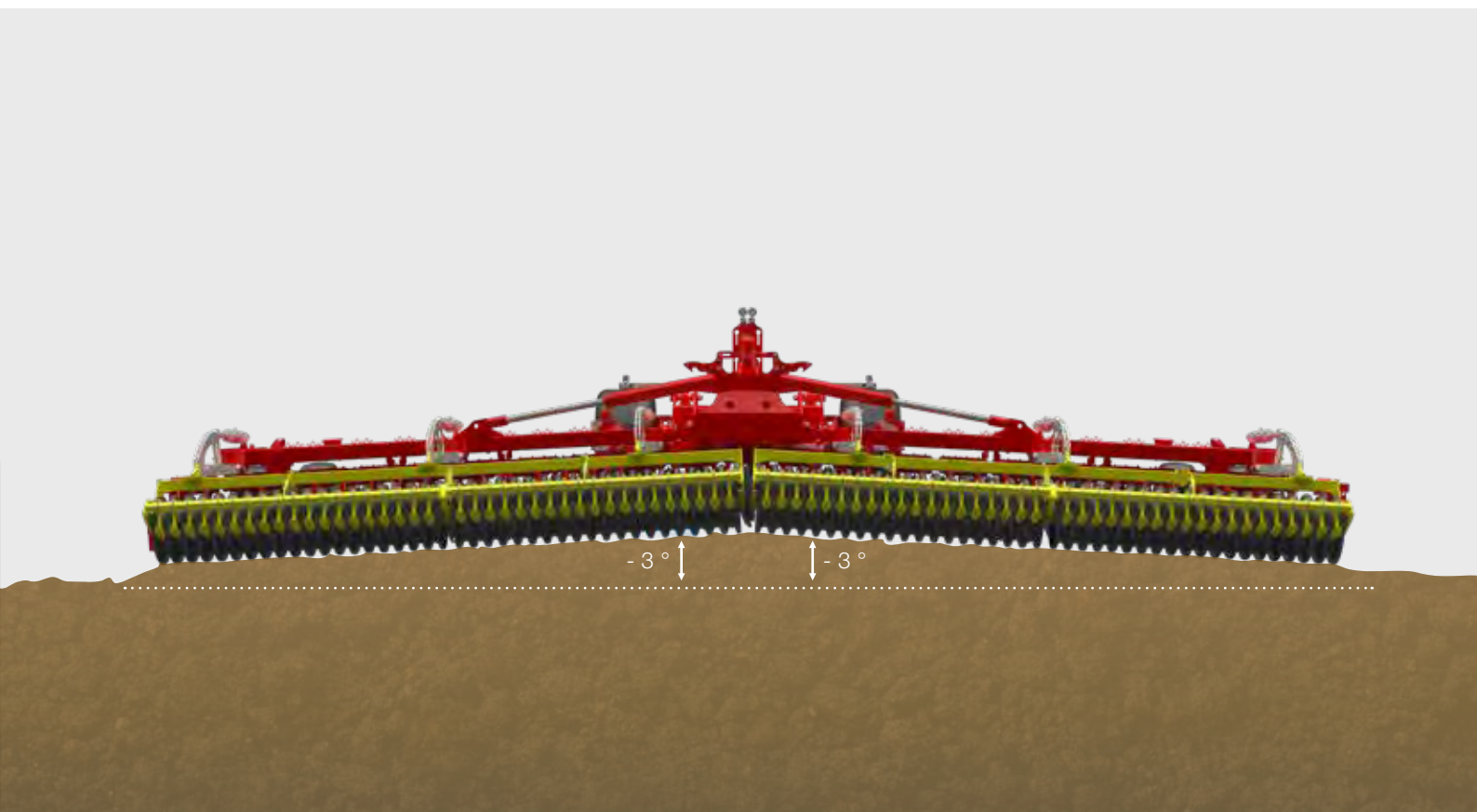
Smooth operation

The dedicated chassis ensures confident handling during road transport and in operation. Hydraulic accumulators deliver smooth operation and promote reliable penetration in all soil conditions. In addition to the hydraulic accumulators, the jockey wheels guarantee a smooth ride. These are standard on the TERRADISC 10001 T.

Pure soil conservation

- You can choose from the following rear rollers: cage roller, pack ring roller, tandem CONOROLL and rubber packer roller.
- At the headland the TERRADISC T is raised onto the rear roller and its weight is distributed across the whole working width.
- The trailed TERRADISC models are therefore very light on their feet at headlands.

TERRADISC 8001 T / 10001 T



Guaranteed reliability

Ideal cultivating results are achieved thanks to optimum spacing of the discs.

- There is plenty of space between the discs and the carrier arms with the TWIN ARM system. Guaranteed blockage-free, even with heavy harvest residues.
- The working depth is adjustable between 5 cm and 15 cm. This is set by adjusting the jockey wheels and the rear rollers.
- The frame sections are pre-tensioned hydraulically to ensure uniform ground pressure regardless of the working position. This allows the flexible frame sections to follow the ground contours with a constant working depth.
- A front board is available as an option to level the soil in front of the discs. This produces a better result in ploughed fields.

High output

The TERRADISC 8001 T and the TERRADISC 10001 T deliver an impressive output thanks to high working speeds. This is enabled by the disc harrow's strong design and large wheels.

Effective working width



TERRADISC 8001 T / 10001 T



No crabbing

Our 8 and 10 m TERRADISC compact disc harrows guarantee straight running of the machine without it pulling to the side. This means that it is possible to operate the machine without overlapping. This saves you time, pulling power, fuel and therefore money.

When working with the machine, take a look to see that the TERRADISC follows the tractor on its centreline. If necessary, you can then adjust the inclination of the machine so that it follows the tractor precisely. This can be set using a double-acting control valve, or directly on the terminal if Profiline equipment is installed.

Effective operation

In the parallel pass system, enter the working width of your TERRADISC compact disc harrow. When the machine follows precisely in the tractor's tracks, the full effective working width can be utilised without overlaps or gaps.

Mounting and chassis



Smooth road transport

Our 8 and 10 m TERRADISC compact disc harrows are equipped with a dedicated chassis as standard.

The chassis is mounted directly to the main frame and linked to the headstock. This ensures a very good centre of gravity of the machine when folded, and good weight transfer to the tractor. The wide chassis with 560/45 R22 5 tyres travels smoothly on the road. The transport width is 3 m and the transport height is under 4 m. The TERRADISC 8001 T and 10001 T also offer impressive ground clearance.

Safe during transport

Air brakes or hydraulic brakes are offered as additional equipment options. These ensure safety up to the highest permissible driving speed. The parking brake fulfils all legal regulations.

TERRADISC 8001 T / 10001 T



Attaching the machine

The TERRADISC 8001 T and 10001 T is attached using a tractor pick-up hitch as standard, designed for a 50 mm pin. The drawbar eye can be adjusted on the drawbar hole matrix to accommodate different mounting geometries.

Drawbar eyes for 30, 40 and 70 mm pins are also available.

The ball on the drawbar eye is replaceable. As a result the machine can be attached to tractors with different pin diameters.

The parking stand is hydraulically adjustable. This makes it easier for you to attach and detach the machine.

Easy operation

Only three double-acting spool valves are required to operate the standard version. All drawbar settings are made using pre-selects.

Convenient operation



Standard control version

The various functions are set as standard using control levers on the drawbar. You only need 3 double-acting remote valves for this.

Operation

The basic machine settings are set using the control levers (see figure above).

- 1st spool valve: folding the disc harrow
- 2nd spool valve: operating the parking stand and chassis (blue preselect). adjusting side pull, pre-tension of the frame sections and damping the rear roller (grey preselect).
- 3rd spool valve: Working depth adjustment of 5 to 15 cm for jockey wheels and rear rollers (black control lever). The working depth is set using swing clips. This spool valve also controls the machine being lifted by the rear roller at the headland.

You can easily control the headland lifting sequence and the disc harrow folding system from the tractor seat during operation. All without leaving the cab.

TERRADISC 8001 T / 10001 T



Profiline equipment for ISOBUS

Our Expert 75 control terminal is a modern ISOBUS system. This equipment is available as an option. You can control all the settings from the tractor seat.

A load sensing system for perfect ground tracking and for protecting your tractor's hydraulic components.

Benefits of the Profiline system

- All cylinders are equipped with position sensors so that parameters such as pre-tension pressure and exact working depth are displayed on the screen.
- A hectare counter and operating hours counter with memory enable exact documentation of each job.
- Site-specific tillage with Task Controller.

Operated at the press of a button

- Working depth variable between 5 and 15 cm
- Folding the disc harrow
- Inclination adjustment - no side pull
- Pressure adjustment of the frame sections for consistent ground tracking.
- Pressure adaptation of the shock absorber for smooth operation.
- Adjustment of the working depth when disc diameters decrease.
- Headland sequence - lift and lower at the push of a button or using the tractor's control system via a joystick.



PÖTTINGER CONNECT

PÖTTINGER CONNECT is the access point into the world of networked data. In combination with the PROFILINE equipment option, the telemetry unit can take over machine control functions and make data recording and transmission easier. A standardised data interface makes this system easy to use and connect to a range of different management systems.

Cost effectiveness thanks to variable working depth

With PÖTTINGER CONNECT, it is possible to use Precision Farming applications easily and cost-effectively. The modules assumes the Task Controller role while making it easy to add site specific working depth capability. This makes it possible to react automatically to different conditions and soil properties within each field. The basis for the application maps is provided by the yield data and field maps. At the headland, automatic lifting and lowering of the TERRADISC can be performed by the Section Control system. Cost effective and resource-saving operation is guaranteed as a result.

Equipment options



TERRADISC 8001 T / 10001 T



Front board

A front board is available as an option to level the soil in front of the discs. Even large clods are broken up thanks to this

heavy duty tillage tool. Reliable through clearance is provided for larger levels of harvest residues. A level soil surface is guaranteed as a result.

The working depth of the front board is adjusted by a single spool valve as standard. The hydraulically adjustable jockey wheels are a prerequisite for using the front board. These ensure the best ground tracking.



Levelling harrow

The optional spring steel levelling tines deflect the flow of soil to the rear roller, crumbling and levelling the ejected mixture of trash and soil. The height of the levelling tines, which are 14 mm thick and feature tangential geometry, is adjusted when the position of the rear roller is changed.

- The main height and angle settings are preset using a lock pin.
- The position of the levelling tines changes in accordance with the working depth. The deeper the setting the easier the flow of material to the rear.

Rear rollers



Wide range of rear rollers

It's your choice. PÖTTINGER offers a wide range of rear rollers for perfect results with the desired tilth in any type of soil. The whole range of rear rollers features precision manufacturing and robust design engineering.

Requirements	Cage roller	Pack ring roller	Rubber packer roller	Tandem CONOROLL roller	Tandem U-profile roller
Consolidation	o	++	++	++	++
Damp conditions	o	++	+	+	+
Dry conditions	++	++	++	++	++
Crumbling effect	+	++	++	++	+
Load capacity	+	++	++	++	++
Self-propulsion	++	++	+	++	+
Suitability for stones	+	++	o	++	+
Scraper	no	yes	yes	no	no
Diameter in mm	660	550	590	560	600
Weight in kg on TERRADISC 8001 T	1300	1780	1500	2060	2020
Weight in kg on TERRADISC 10001 T	1500	2110	1800	2450	2340

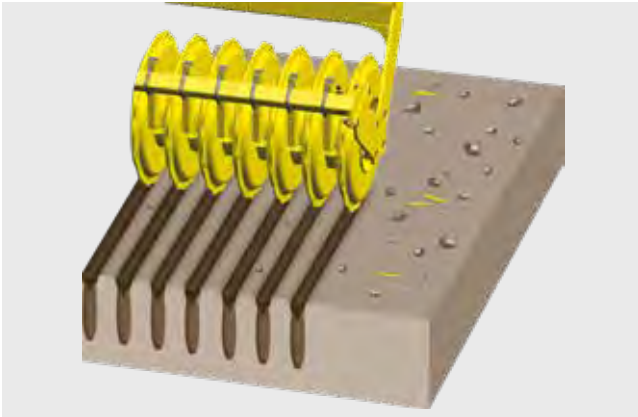
- ++ highly suitable
- + very suitable
- o suitable
- not suitable



Cage roller

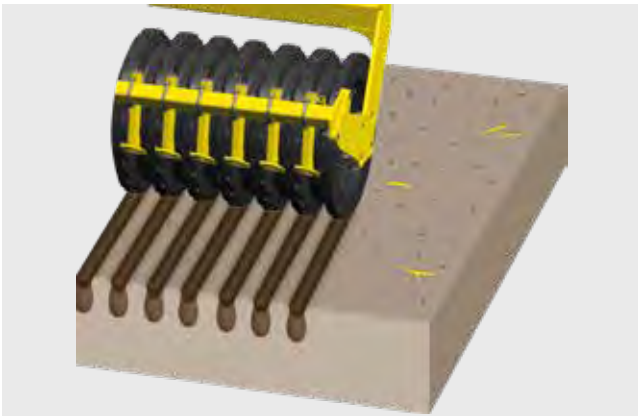
The ideal roller for dealing with dry, non-sticky soils. The roller is fitted with strong bars for optimal consolidation. Diameter 660 mm, 12 bars.

For perfect results



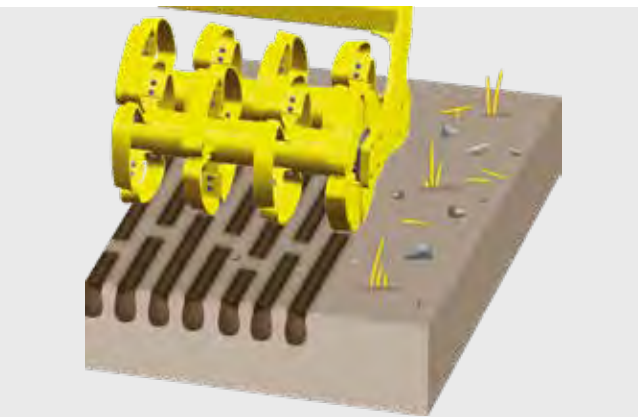
Pack ring roller

The enclosed packer rings have a diameter of 550 mm with eight rings per metre of working width. The roller leaves behind consolidated ridges, promoting drainage and soil respiration. This is the ideal roller on stony, damp ground with large quantities of organic matter. The scrapers are coated for an extended working life.



Rubber packer roller

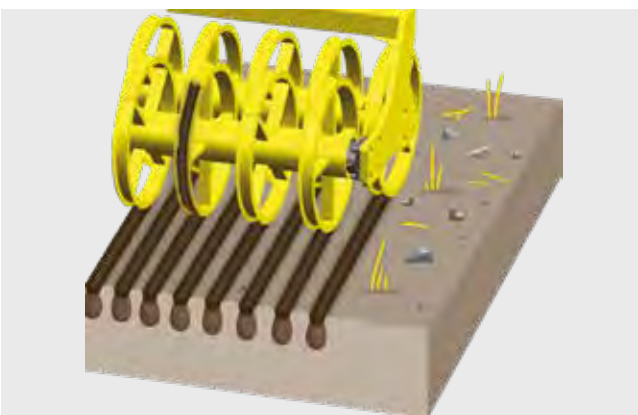
The perfect roller for widely varied soil conditions. Especially for use with trailed implements where the load-bearing capacity of other rollers is near the limit. A diameter of 590 mm and the special profiling allows the soil to be consolidated in ridges. The scrapers are coated for an extended working life.



Tandem CONOROLL roller

The tandem CONOROLL consists of 2 rear rollers. The diameter of the rings is 560 mm, strip thickness 8 mm. Ideally suited to trailed machines.

- With the two rear rollers, the tandem CONOROLL offers excellent load bearing capacity. Consequently it is also suitable for light soils.
- The inclination of the roller can be adjusted to allow for the working depth and conditions.
- Rollers self-clean effectively, no scrapers required.
- Raised on rear roller at headlands, so there are no problems reversing the machine.



Tandem U-profile roller

The U-profiles fill up with soil during operation. The direct earth-to-earth contact gently forms consolidated ridges while ensuring that the roller rotates smoothly. Thanks to its excellent load bearing capacity, this rear roller is also suitable for light soils.

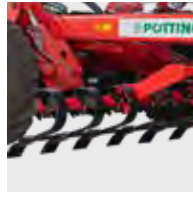
Accessories



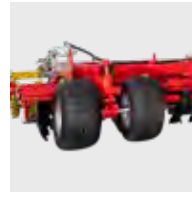
Often ordered together



Levelling harrow



Frontboard

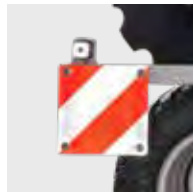


**Hydraulic jockey wheels (dual depth wheel)
340/55-16**

TERRADISC 8001 T	☐	☐	☐
TERRADISC 10001 T	☐	☐	■



**Air brakes
Hydraulic brakes**



**Warning signs
and lighting**



**Expert 75 –
control terminal**



**PÖTTINGER
CONNECT**

TERRADISC 8001 T	☐	■	☐	☐
TERRADISC 10001 T	☐	■	☐	☐

More equipment options

- Long drawbar for TERRADISC 8001 T
- Drawbar eye for 30 / 40 / 70 mm pins – tractor pick-up hitch for TERRADISC 8001 T and 10001 T

■ = Standard, □ = Optional

Technical data



TERRADISC 8001 T / 10001 T

TERRADISC	8001 T	10001 T
Mounting	Drawbar eye for 50 mm pins – tractor pick-up hitch	Drawbar eye for 50 mm pins – tractor pick-up hitch
Working width*	8.0 m	10.0 m
Transport width	3.0 m	3.0 m
Discs	64	80
Disc diameter	58 cm	58 cm
Disc spacing	12.5 cm	12.5 cm
Disc bearings	maintenance-free	maintenance-free
Inter gang spacing	90 cm	90 cm
Underframe clearance	75 cm	75 cm
Power requirement from	198 kW / 270 PS	257 kW / 350 hp
Basic weight	8,100 kg	10,000 kg
Levelling harrow	180 kg	250 kg
Cage roller 660 mm	1,300 kg	1,500 kg
Pack ring roller	1,780 kg	2,110 kg
Tandem CONOROLL	2,060 kg	2,450 kg
Rubber packer roller	1,500 kg	1,800 kg
Tandem U-profile roller	2,020 kg	2,340 kg

*Our TERRADISC models output their full working width in the field.



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



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.

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

You can rely on our TERRADISC

- Thanks to the compact design and aggressive disc angle, reliable penetration and excellent incorporation of harvest residues is ensured.
- A uniform and level finish is achieved for both shallow as well as deep tillage.
- Trust in PÖTTINGER. Harvest success.

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