

PÖTTINGER TERRADISC

Compact disc harrows



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TERRADISC 3001 / 3501 / 4001 / 5001 / 6001

The all-rounder in soil cultivation compact disc harrows working width 9'84" to 19'69" / 3.0 to 6.0 m

Following the harvest, residues need to be worked in evenly so decomposition gets a head start. This mixture of straw and soil creates optimum conditions for soil life. That's why the compact disc harrow plays a major role in modern arable farming. The PÖTTINGER TERRADISC compact disc harrow specialises in shallow cultivation and high output. This is a true all-rounder and can also be used for seedbed preparation. Working depths between 1.18 and 4.72" / 30 and 120 mm are possible.



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TERRADISC

Rigid-framed compact disc harrows

The open frame construction provides the driver with an excellent view of the front and rear harrow disc gangs.

A uniform surface 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, mounting angle and penetration angle of the discs. The result: Low drag resistance, perfect ground penetration, best crumbling and mixing effect.

TERRADISC	Working width ft / m	Discs	Disc diameter inch / mm	Minimum power requirement
3001	9.84 / 3.0	24	22.83 / 580	70 kW / 95 hp
3501	11.48 / 3.5	28	22.83 / 580	85 kW / 115 hp
4001	13.12 / 4.0	32	22.83 / 580	100 kW / 135 hp

All data not binding

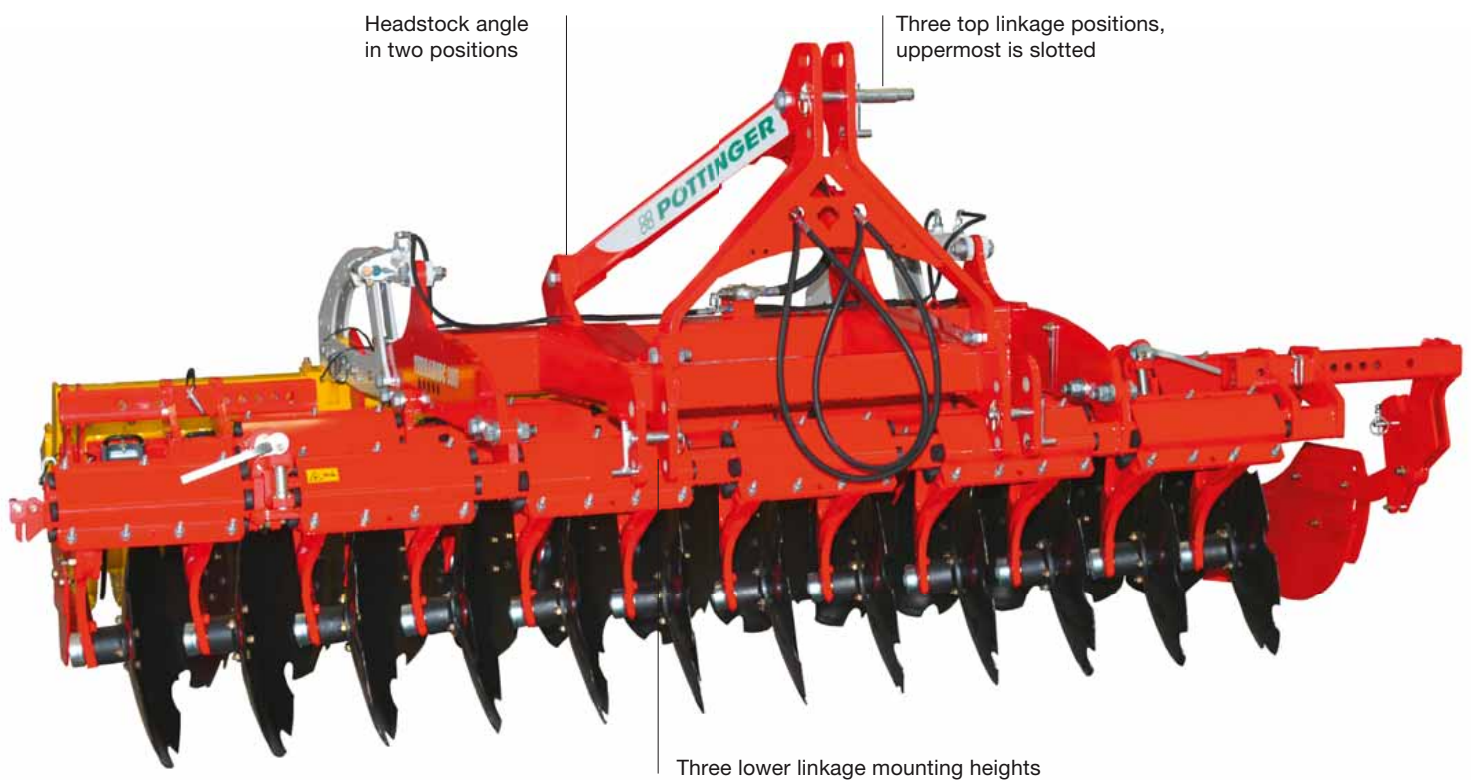
Rugged and versatile

Perfect match to every tractor

The TERRADISC offers several configurations for hitching up to the tractor. As a result you get a precise match to any tractor linkage.

Tractors with up to 200 hp have a huge range of linkage geometries. The mounting configurations offered by this implement ensure excellent ground penetration and sufficient lifting height.

- The compact frame is a trademark of the mounted TERRADISC harrow. The first gang of discs is very close to the tractor for a very favourable centre of gravity.
- Three lower linkage heights with Cat 2 / width 2 clevis-type mounting lugs.
- Two positions are possible for the headstock angle and with three top linkage positions you have optimum adjustment to fit any tractor.
- The uppermost top linkage hole is slotted for very uneven ground.



- Compact, short design guarantees smooth and stable operation of the implement.
- Unique open frame design provides a perfect view of both disc gangs from the driver's seat.



TERRADISC

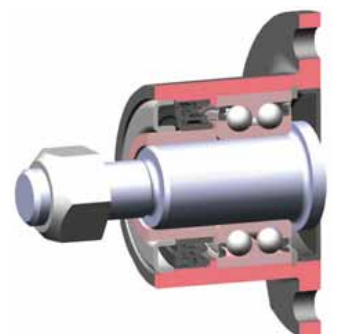
Maintenance-free disc bearings

Fast operating speeds and working depths down to 4'72" / 120 mm mean the disc bearings have to withstand considerable stress. That is why PÖTTINGER has implemented high-quality bearings for an extended service life.

The two disc gangs are set at an ideal angle in relation to each other for perfect results in different soil types, working depths and travelling speeds.

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

- The sealed bearing is maintenance-free and does not need to be accessed.
- A labyrinth seal provides completely tight protection for the bearing.
- A metal cover encapsulates the labyrinth seal for additional security.



Twin-Arm system – the crux of the matter

Carrier arm and concave discs

With this new carrier arm system two scalloped concave discs are mounted on a 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 tyre tracks are broken up reliably. Four rubber elements in the mounting bracket serve as overload protection on contact with rocks. The generously dimensioned discs have a diameter of 22'83" / 580 mm. Eight discs per metre of working width equate to a spacing of just 4'90" / 125 mm. The optimised interplay of ground penetration angle and mounting angle ensure perfect performance. The offset configuration of the aggressive discs mixes the harvest residues effectively into the soil.

- The wide clamp contact surface of the mountings keeps the discs in position – sideways movement is impossible.

- Proven over many years in the field, the trip protection features 1.57" / 40 mm thick rubber elements.

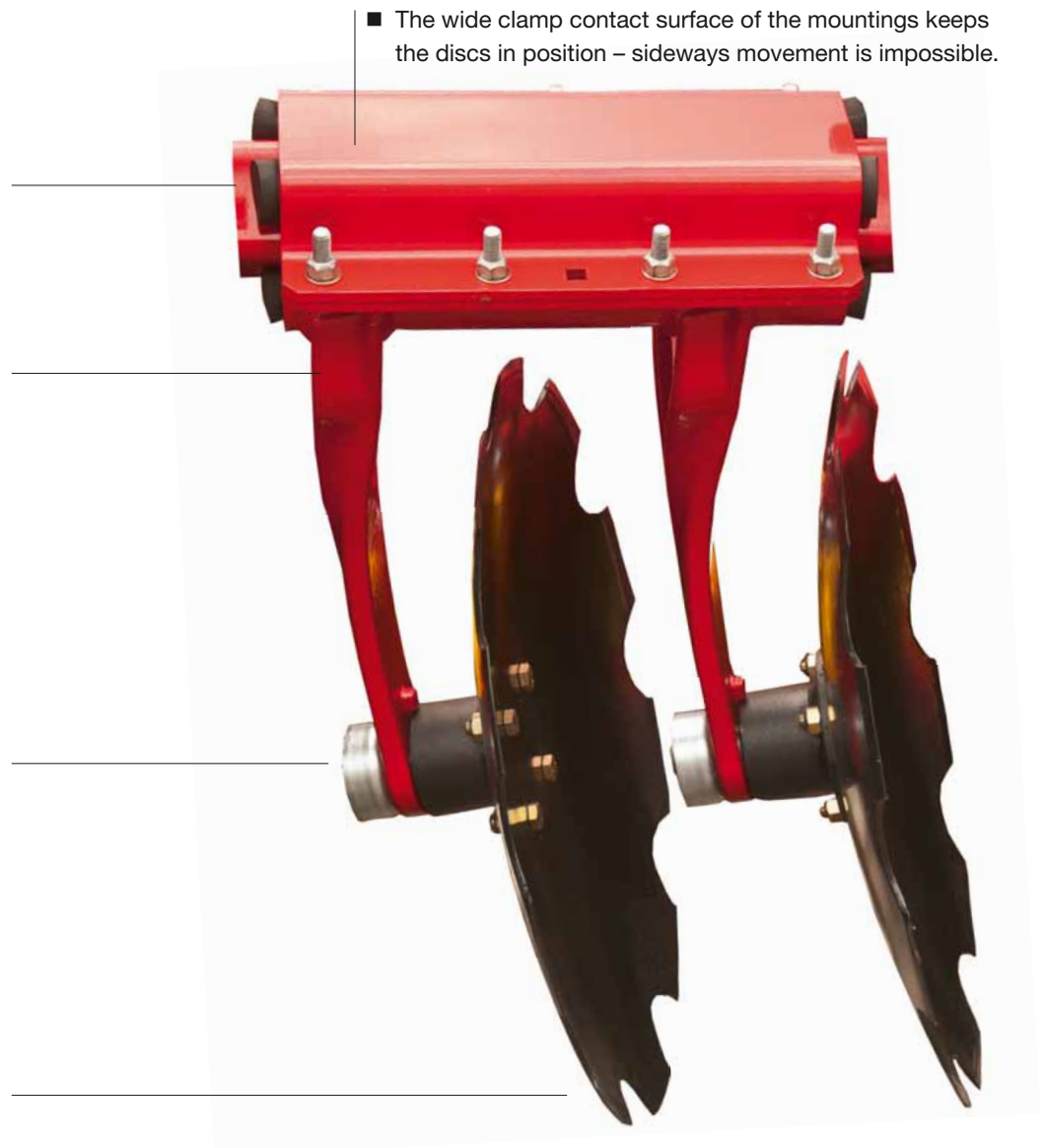
- Two massive forged carrier arms are welded to each clamping bracket.

- The bearings are fitted to the disc carrier arm by a stub axle.

- The nuts are protected by caps mounted on the same axle bolt.

- The sealed, twin race taper roller bearings are maintenance-free.

- The rugged, scalloped discs made of special heat-treated steel have a diameter of 22.83" / 580 mm.





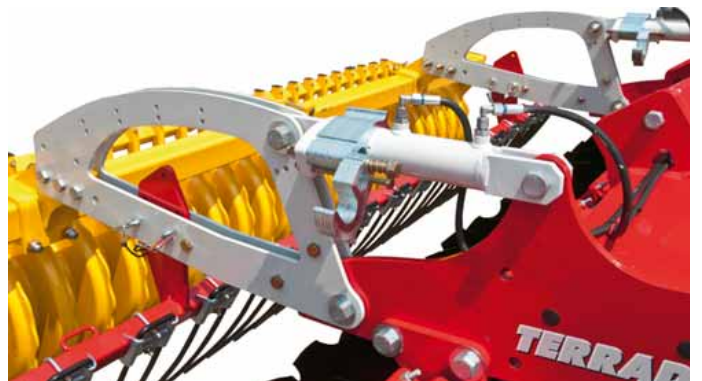
TERRADISC

The highest level of convenience

Setting up for different soil conditions must be quick and straightforward. On the TERRADISC compact disc harrow that's conveniently solved with hydraulic depth adjustment.

The rear rollers assume the role of depth control for the disc harrow. Working depth is adjusted hydraulically quickly without risk to the operator.

- Folding 0.20" / 5 mm-thick spacer plates are used to fine-tune depth control.
- The weight of the roller is transferred to the disc harrow during operation. This ensures reliable penetration in dry and hard conditions.
- The trailed harrow tines are adjusted in unison with the roller mounting arms.
- No complicated manual intervention required – convenience that every tractor driver deserves.



Perfectly engineered for convenient operation

The desired results can only be achieved using high quality technology deploying an effective sequence of equipment.



Generous inter-disc clearance

- Plenty of space between discs and carrier arms.
- The carrier arms are angled facing the direction of rotation so that there is no risk of stones or harvest trash becoming lodged between the disc and arm.
- A large clearance between the disc and clamping bracket means large quantities of organic matter can easily pass through.



Levelling tines (optional)

- The spring steel trailed tines deflect the flow of earth to the rear roller, crumbling and levelling the ejected mixture of trash and soil.
- The height of the trailed tines, which are 0.55 / 14 mm thick and feature tangential geometry, is adjusted when the position of the rear roller is changed.
- The basic height and angle settings are preset using a pin-in-hole matrix.
- The position of the tines changes in accordance with the working depth. The deeper the setting the easier the flow of material to the rear.
- Tough rollers for tough conditions.





TERRADISC

Reduced transport width

For a narrower transport width on non-folding TERRADISC harrows, the outer pair of discs can be raised.

The outer disc pairs are folded upwards hydraulically for transport on the road. The edging plate is simply pushed inwards for transport widths of 9.84', 11.84' and 13.12' / 3.0 m, 3.50 m and 4.0 m.

- The TERRADISC 3501 can be transported on the road unaccompanied in situations where laws permit a width of 11.84' / 3.50 m.
- That adds up to 17 % higher output compared to a 9.84' / 3.0 m implement.



Compact design

Edging plates as standard

- For a uniform surface finish, adjustable edging plates are provided on both sides as standard equipment.



Adjustable outer discs

- On the left and right the outermost concave discs are depth adjustable. This means you achieve perfect merging of passes.





TERRADISC K

Folding mounted disc harrows

The large folding disc harrows have been developed for large area stubble cultivation and general seedbed preparation.



For high output

TERRADISC T Folding trailed disc harrows

Folding versions of the mounted and trailed disc harrows with working widths of 13.12' and 19.69' / 4.0 m to 6.0 m have a transport width of 9.19' / 2.80 m.

- Working depth is quickly pre-set hydraulically without risk to the operator. Depth adjustment of the rear roller and levelling tines is fine-tuned using swing clips on the hydraulic cylinders.
- Access to the swing clips is easy and safe on both sides.
- The weight of the rear rollers is transferred to the disc harrow for reliable soil penetration.
- Hydraulic folding enables convenient and trouble-free road transport at a width of 9.19' / 2.80 m. The disc harrows are folded in two halves to achieve a low transport height.
- The automatic transport interlocks are operated by hydraulically actuated lock pins.



- TERRADISC mounted disc harrows feature a compact frame. The first gang of discs is very close to the tractor to ensure a very favourable centre of gravity.
- Three lower linkage heights with Cat. 2/2 and Cat. 3/3 clevis-type mounting lugs are standard.
- The three top linkage positions give optimum adjustment to fit all tractors.
- The two upper holes are provided for the drawbar and chassis.

TERRADISC	Working width ft / m	Discs	Disc diameter inch / mm	Minimum power requirement
4001 K	13.12 / 4.0	32	22.83 / 58	100 kW / 135 hp
5001 K	16.40 / 5.0	40	22.83 / 58	125 kW / 170 hp
6001 K	19.69 / 6.0	48	22.83 / 58	140 kW / 190 hp
4001 T	13.12 / 4.0	32	22.83 / 58	100 kW / 135 hp
5001 T	16.40 / 5.0	40	22.83 / 58	114 kW / 155 hp
6001 T	19.69 / 6.0	48	22.83 / 58	132 kW / 180 hp

All data not binding



TERRADISC 4001 T / 5001 T / 6001 T Trailed disc harrows

The transport chassis alleviates the weight acting on the tractor's hitch and rear axle.

- The disc harrows are folded in two halves. The wide chassis can be lowered for a low centre of gravity and improved driving stability during road transport.
- The automatic limit stop interlocks also contribute to safety on the road.



Performance and convenience

A drawbar and transport chassis can also be retro-fitted to the TERRADISC K for even more flexibility.

- The drawbar is connected to the lower linkage and top linkage lugs. Optimum ground clearance at headlands and during transport can be adjusted precisely to each tractor using the hole matrix for the top linkage strut.
- The lower linkages connect to the yoke with Cat. 2, width 2 or Cat. 3, width 3 clevis-type lugs.
- A telescopic drawbar with Cat. 2/2 and Cat. 3/3 or Cat. 4/3 connections is as an option. This enables a steering angle of up to 95° with a tractor outside width of up to 13.78' / 4.20 m.
- A towing eye hitch is also offered as an option.
- The practical hose holder and parking stand make parking the machine easy.



- At the headland the TERRADISC T is supported by the rear roller and its weight distributed across the whole working width.
- The wheel chassis is mounted on the main frame and linked to the headstock. During operation the wheel chassis is pivoted far forwards in front of the rear roller.
- The additional load acting on the disc harrow ensures reliable penetration in all soil conditions.
- The wide chassis with 500/45-17 tyres travels smoothly on the road.
- Air brakes or hydraulic brakes are offered as additional equipment options.
- These systems enhance safety at maximum permissible speeds and together with the parking brake comply with all road safety legislation.



The right roller for all soil types

TERRADISC	Bar cage roller	Dual bar cage roller	Knife ring roller	Pack ring roller	Conical ring roller	Rubber packer roller
	inch / mm	inch / mm	inch / mm	inch / mm	inch / mm	inch / mm
	21.3/26 / 540/660	21.3/16.5 / 540/420	21.3/23.6 / 540/600	21.65 / 550	21.3 / 540	23.23 / 590
3001	■	■	■	■	■	■
3501	-	-	-	■	■	-
4001 / 4001 K	■	■	■	■	■	-
5001 K	■	■	■	■	■	■
6001 K	■	■	■	■	■	■
4001 T	-	■	-	■	■	-
5001 T	-	■	-	■	■	■
6001 T	-	■	-	■	■	■

Rotor versions and applications

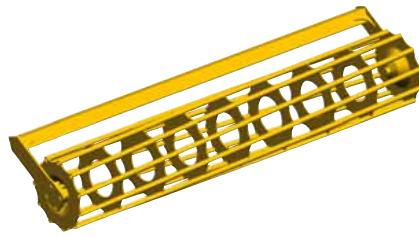
Type diameter inch / mm	Ground moisture				Soil characteristics		
	dry	medium	damp	light	medium	heavy	
Bar cage roller	■	■	-	■	■	-	
Dual bar cage roller	■	■	-	■	■	-	
Knife ring roller	■	■	■	■	■	■	
Pack ring roller	■	■	■	■	■	■	
Conical ring roller	■	■	■	■	■	■	
Rubber packer roller	■	■	■	■	■	■	

All data not binding

Rear rollers – it's your choice

Not all soil is the same.

PÖTTINGER offers a wide range of trailed rollers for perfect results with the desired seedbed structure for every type of soil. The whole range of rollers features precision manufacturing and robust design engineering.



Bar cage roller

The ideal roller for working on dry, non-sticking soil. The roller is equipped with strong bars to provide the best packing effect.

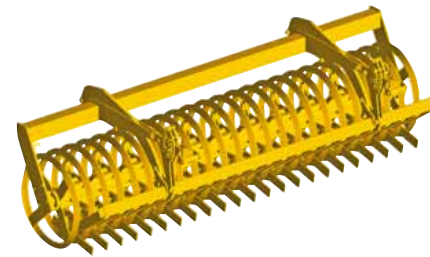
Diameter 21.26" / 540 mm, 11 bars;

Diameter 25.98" / 660 mm, 12 bars.



Dual bar cage rollers

The dual bar cage rollers have different diameters. They are mounted with a freedom of movement to deliver optimum ground tracking and crumbling effect.



Knife ring roller

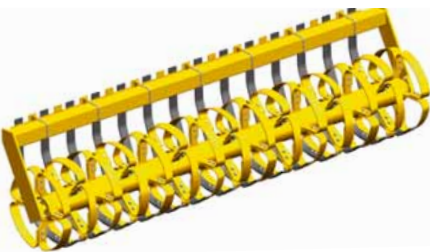
This 23.62" / 600 mm diameter roller is equipped with wedge-shaped rings for increased crumbling and compression. The knives between the rings break up clods and clean the spaces between the rollers.

The corrugated consolidation effect has the advantage that water can be better absorbed. The right choice on dry and heavy soil.



Pack ring roller

The packer rings are closed on either side and have a diameter of 21.65 / 550 mm with 8 rings per metre of working width (0.49" / 125 mm spacing). The roller leaves corrugated stripes, promoting water absorption and soil respiration. The ideal roller on stony, damp ground with large quantities of organic matter.



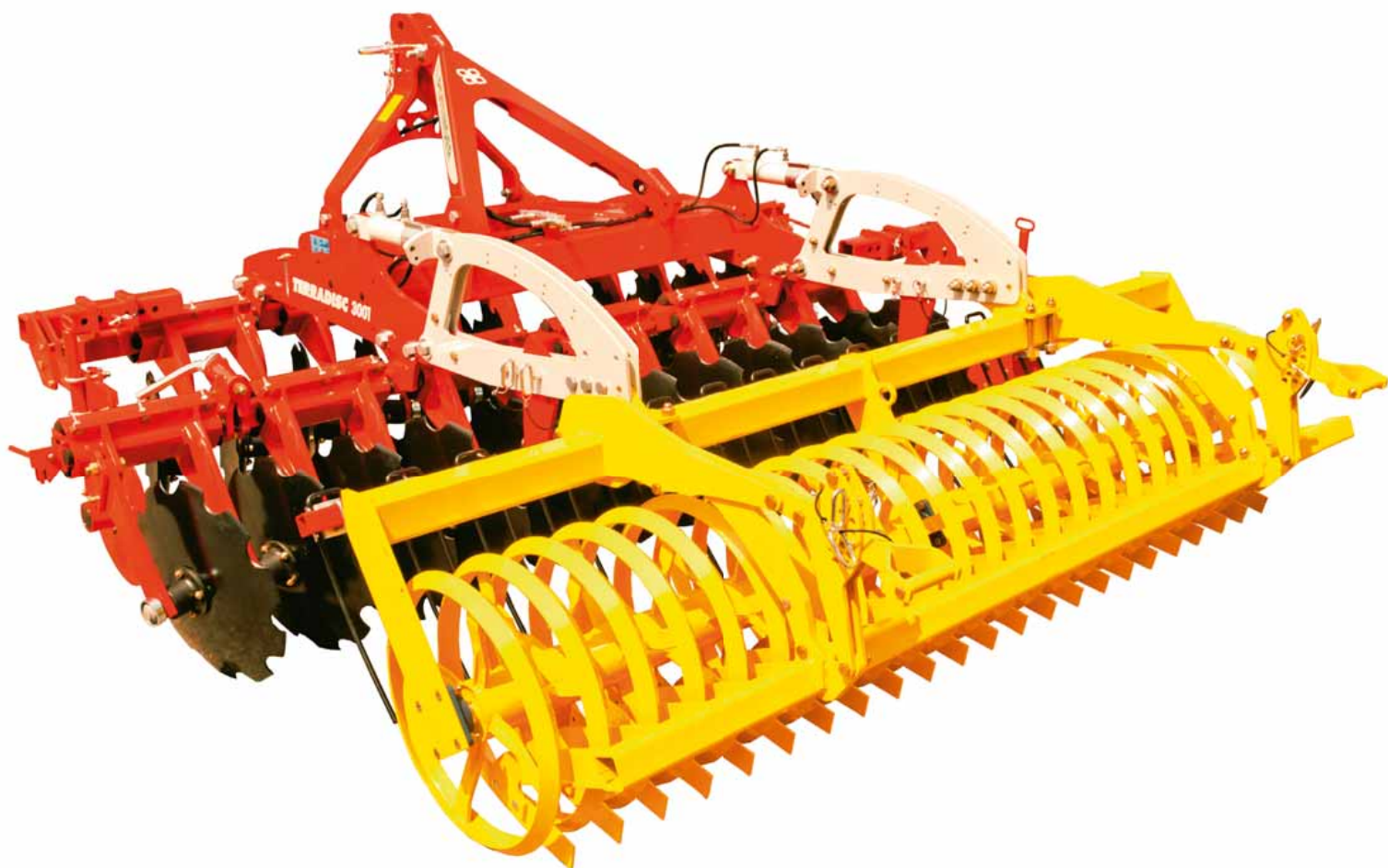
Conical ring roller

No rainwater is left standing on the surface thanks to the striped, conical packing effect. Also works well in fields with harvest residues. The ideal roller for medium to heavy types of soil, since load-bearing is limited on very light soil.



Rubber packer roller

This roller is ideal for widely varied ground conditions. Especially for use with trailed implements where the load-bearing capacity of other rollers is near the limit. The diameter of 23.23 / 590 mm and the special profile enable stripe-wise compaction.



Technical data

TERRADISC	Mounting configuration	Working width ft / m	Transport width ft / m	Discs	Disc diameter inch / mm
TERRADISC 3001	Cat. 2 / 2	9.84 / 3.0	9.84 / 3.0	24	22.83 / 580
TERRADISC 3501	Cat. 2 / 2	11.48 / 3.5	11.48 / 3.5	28	22.83 / 580
TERRADISC 4001	Cat. 2 / 2	13.12 / 4.0	13.12 / 4.0	32	22.83 / 580
TERRADISC 4001 K	Cat. 2 / 2 and 3 / 3	13.12 / 4.0	9.19 / 2.80	32	22.83 / 580
TERRADISC 5001 K	Cat. 2 / 2 and 3 / 3	16.40 / 5.0	9.19 / 2.80	40	22.83 / 580
TERRADISC 6001 K	Cat. 2 / 2 and 3 / 3	19.69 / 6.0	9.19 / 2.80	48	22.83 / 580
TERRADISC 4001 T	Cat. 2 / 2 and 3 / 3	13.12 / 4.0	9.19 / 2.80	32	22.83 / 580
TERRADISC 5001 T	Cat. 2 / 2 and 3 / 3	16.40 / 5.0	9.19 / 2.80	40	22.83 / 580
TERRADISC 6001 T	Cat. 2 / 2 and 3 / 3	19.69 / 6.0	9.19 / 2.80	48	22.83 / 580

Weight of rear rollers

Working width	Bar cage roller 29.26" / 540 mm	Bar cage roller 25.98" / 660 mm	Dual bar cage roller	Knife ring roller 29.26" / 540 mm
9.84 ft / 3.0 m	716 lbs / 325 kg	1058 lbs / 480 kg	1146 lbs / 520 kg	926 lbs / 420 kg
11.48 ft / 3.5 m	–	–	–	1036 lbs / 470 kg
13.12 ft / 4.0 m	1058 lbs / 480 kg	1345 lbs / 610 kg	1675 lbs / 760 kg	1345 lbs / 610 kg
16.40 ft / 5.0 m	1365 lbs / 619 kg	1689 lbs / 766 kg	1940 lbs / 880 kg	1587 lbs / 720 kg
19.69 ft / 6.0 m	1499 lbs / 680 kg	1874 lbs / 850 kg	2293 lbs / 1040 kg	1852 lbs / 840 kg

Equipment

TERRADISC	Levelling harrow	Pneumatic brake Hydraulic brake	Warning sign lighting
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TERRADISC 3001	<input type="checkbox"/>	-	<input type="checkbox"/>
TERRADISC 3501	<input type="checkbox"/>	-	<input type="checkbox"/>
TERRADISC 4001	<input type="checkbox"/>	-	<input type="checkbox"/>
TERRADISC 4001 K	<input type="checkbox"/>	-	<input type="checkbox"/>
TERRADISC 5001 K	<input type="checkbox"/>	-	<input type="checkbox"/>
TERRADISC 6001 K	<input type="checkbox"/>	-	<input type="checkbox"/>
TERRADISC 4001 T	<input type="checkbox"/>	<input type="checkbox"/>	■
TERRADISC 5001 T	<input type="checkbox"/>	<input type="checkbox"/>	■
TERRADISC 6001 T	<input type="checkbox"/>	<input type="checkbox"/>	■

■ = Standard, □ = Option

Disc spacing inch / mm	Bearing	Load limiting device	Minimum power requirement	Weight without rear roller lbs / kg
4.92 / 125	maintenance-free	rubber elements	70 kW / 95 hp	3274 / 1485
4.92 / 125	maintenance-free	rubber elements	85 kW / 115 hp	3671 / 1665
4.92 / 125	maintenance-free	rubber elements	100 kW / 135 hp	4354 / 1975
4.92 / 125	maintenance-free	rubber elements	100 kW / 135 hp	5313 / 2410
4.92 / 125	maintenance-free	rubber elements	125 kW / 170 hp	3274 / 2840
4.92 / 125	maintenance-free	rubber elements	140 kW / 190 hp	6779 / 3075
4.92 / 125	maintenance-free	rubber elements	100 kW / 135 hp	7429 / 3370
4.92 / 125	maintenance-free	rubber elements	114 kW / 155 hp	7473 / 3790
4.92 / 125	maintenance-free	rubber elements	132 kW / 180 hp	8862 / 4020

Knife ring roller 23.62" / 600 mm	Pack ring roller	Conical ring roller	Rubber packer roller	Levelling tines (optional)
1058 lbs / 480 kg	1312 lbs / 595 kg	948 lbs / 430 kg	1235 lbs / 560 kg	187 lbs / 85 kg
-	1565 lbs / 710 kg	926 lbs / 510 kg	-	216 lbs / 98 kg
1724 lbs / 782 kg	1808 lbs / 820 kg	1367 lbs / 620 kg	-	265 lbs / 120 kg
2026 lbs / 919 kg	2227 lbs / 1010 kg	1631 lbs / 740 kg	2205 lbs / 1000 kg	353 lbs / 160 kg
2403 lbs / 1090 kg	26236 lbs / 1190 kg	1896 lbs / 860 kg	2469 lbs / 1120 kg	353 lbs / 170 kg

All data not binding, equipment options vary from country to country.



We are where you are.

We offer our customers the best developed network of sales and service partners worldwide. Being local means that we can quickly supply our customers with spare parts and that our skilled personnel can optimally deliver and install the machinery.

Our services include:

- Original Inside Parts 24-hour ordering service online.
- Long-term stock keeping of spare parts.
- Expertise through regular training – for professional personnel.
- and much more ...

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