

Folding rotary hoes
ROTOCARE V

 **PÖTTINGER**

Multi-role crop care expert



Multi-role crop care expert



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.

The ROTOCARE V rotary hoe conserves the crop and is row-independent while delivering maximum output and low wear. In addition to its advantages in mechanical weed control, the machine is equipped for a wide range of other applications. For instance, breaking up the soil surface, incorporating fertiliser, and for shallow stubble cultivation. Setting up is quick and straightforward.

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The best soil



The way to efficient crop care

PÖTTINGER machines tick all the boxes for efficient and cost effective crop care.

Successful crop care, starting with precision sowing (e.g. exact placement of the seed) and continuing with plant-specific crop care measures, ensures the crop maintains its growth advantage over weeds until it is time for harvest.

Factors for successful mechanical crop care

Various factors influence the success of mechanical crop care with the aim of optimising the growth of the crop.

In addition to crop-specific characteristics, such as changes in sensitivity at different stages of growth, other factors include the effect and density of weeds.

The soil conditions in each field and the weather conditions throughout the planting season are decisive and have a major influence on the success of the crop.

Timing is also a major success factor: ROTOCARE can be used to successfully combat seed-bearing weeds at the filamentous or cotyledon stage. Its effectiveness against root weeds, well-established weeds and grasses, is limited.



Objectives of mechanical weed control

One of the main objectives of mechanical crop care is to give the crop a head start over the weeds. To achieve this, competition from weeds and grasses must be kept to a minimum. A high density of weeds cause:

- Reduction in yield, or even a failed crop
- Contaminated crop or seed
- More intensive weed control in the subsequent crop
- More difficult harvesting conditions

By using our crop care machines, it is possible to avoid higher production and follow-up costs.

How RTOCARE works

Different working effects can be achieved using RTOCARE.

Breaking up incrustations: The rotary hoe pierces the soil surface to produce a crumbling effect. This aerates the soil, improves drainage and promotes nutrient mineralisation.

Combating weeds: The weeds are pulled out of the ground and deposited on the surface. The soil around the weeds is loosened so that their roots have no soil contact. The weeds can no longer absorb water, so they wilt.

Incorporation of mineral or organic fertiliser: The fertiliser is incorporated into the soil by the RTOCARE so that it is broken down more quickly and making the nutrients available to the plants sooner.

The best working results



Optimum ground tracking

Because each rotary star is mounted individually on a mechanical spring with a large range of travel, the machine can adapt to uneven terrain.

The RTOCARE V rotary hoe offers excellent reliability with each rotary star able to ride up over any obstacle.

Thanks to the depth control wheels being mounted close to the frame, the machine tracks the ground perfectly.

Perfect weeding tools

Wear-resistant, self-sharpening spoon points with a width of 18 mm ensure an even, clean and tidy working pattern.

The optimum working angle protects the crop but pulls out fine weeds. The soil is moved to a maximum depth of 40 mm.

The forged arms are mounted on precision-fit bushings to ensure that the star spacing of 89 mm is consistently maintained.

Crop care in action

The row-independent rotary hoe stars sweep weeds in the white thread and germination stage, right through to 4-leaf development, out of the soil and deposit them on the surface.

The rolling effect protects the crop and minimises plant losses. The driving speed determines the aggressiveness of the treatment; the higher the speed, the lower the actual working depth and the gentler the process.



User friendly operation

Straightforward configuration and sound technology make the rotary hoe easy to use. Adjusting the machine is easy and not complicated, and because there are only a few settings, sources of error are reduced. The intensity of the machine is determined by the combined effect of the height of the jockey wheels, the length of the top link and the driving speed. To ensure an optimal response to changing ground conditions, a hydraulic top link is recommended.

The rotary hoe stars have a long arc of movement and allow for increased maximum spring preloading for even more intensive working results. None of the equipment options affect the radius of movement.

Wide range of applications

"We decided in favour of the PÖTTINGER ROTOCARE V 12400 because we were looking for a rotary hoe that would match our farm structure. It was also important to us to achieve high output through a wide working width. Everyday maintenance requirements and wear resistance were also very important factors.

This machine has clear advantages in organic farming and we also use it to a large extent in conventional farming. In conventional farming, we use the hoe in combination with the Cambridge roller, which gives us the advantage of levelling the field and avoiding spray shadow, which in turn saves us on plant protection costs."

Niklas Michaelis
Head of Arable Farming at Petersberger Agrar
Petersberg | Germany

Flexible in operation

Range of applications



Multiple deployment capabilities

In addition to weed management, the ROTOCARE V can also be deployed for numerous other applications. The rotary hoe is also suitable for breaking up encrusted soil, incorporating fertiliser, as well as for shallow stubble cultivation.

The wide range of applications increases the flexibility of the machine as well as its utilisation.

Weed control

The rotary hoe can be used to cultivate row crops such as maize or soybeans as well as broad and narrow seeds such as cereals where a row-independent process is needed. Ridged crop care is the only application that is not possible.

The better established the crop, the more aggressive the working method that can be chosen.

Suitable for use in established stands

Thanks to the underframe clearance and its gentle operation, the ROTOCARE can also be used in well-developed crops, such as maize plants up to 30 cm high or oil seed rape up to 20 cm in height.

In row crops, the rotary hoe star lock mechanism can be used.

The optional mechanical mechanism makes it possible to lock individual stars in the raised position. This helps to protect the crop plants, particularly in more advanced row crops.

For some applications it is also possible to reduce the working width by locking the hoe stars in place, so that the working width matches existing tramline spacing.



Pre-emergence use

The competitive advantage of the crop over surrounding weeds is a key factor in determining the crop's growth. Using RTOCARE for pre-emergence crop care gives the crop a head start. It is important that there is the right gap between the soil surface and the crop seed. A seed placement depth of 4 cm to 5 cm is recommended.

Breaking up encrusted soil

Breaking up hard soil restores and encourages the exchange of air and water. This makes it easier for the plant roots to develop.

A follow-up pass with a hoe or levelling tines is made easier by first breaking up the crusted surface with the RTOCARE V.

Fertilisation and sowing

When the rotor stars penetrate the soil surface, mineral and organic fertilisers can be incorporated into the soil and mixed together. The TEGOSEM seeding unit can be used to apply micronutrient fertilisers, sow companion crops and cover crops.

Shallow stubble cultivation

The RTOCARE rotary hoe is also suitable for shallow stubble cultivation following the harvest. Spilled seeds are covered after harvest and germinate more quickly. Weeds and stubble are ripped out. The RTOCARE has proved particularly effective in rapeseed stubble.

The high under-frame clearance of 500 mm ensures maximum reliability. When used after harvesting, high volumes of organic matter are no problem for the rotary hoe. Clogging of the machine is avoided by the single row configuration of the rotary hoe stars with an offset of 105 mm.

Flexible in operation



ROTOCARE V



Enormous output

With working speeds of 10 to 30 kph and working widths of 6.6 m to 12.4 m, maximum output is achieved in a short time. The ROTOCARE machines are engineered for high productivity.

This allows you to make the most of short, optimal time windows for mechanical weed control.

Folding

All ROTOCARE machines have a multiple segment frame structure.

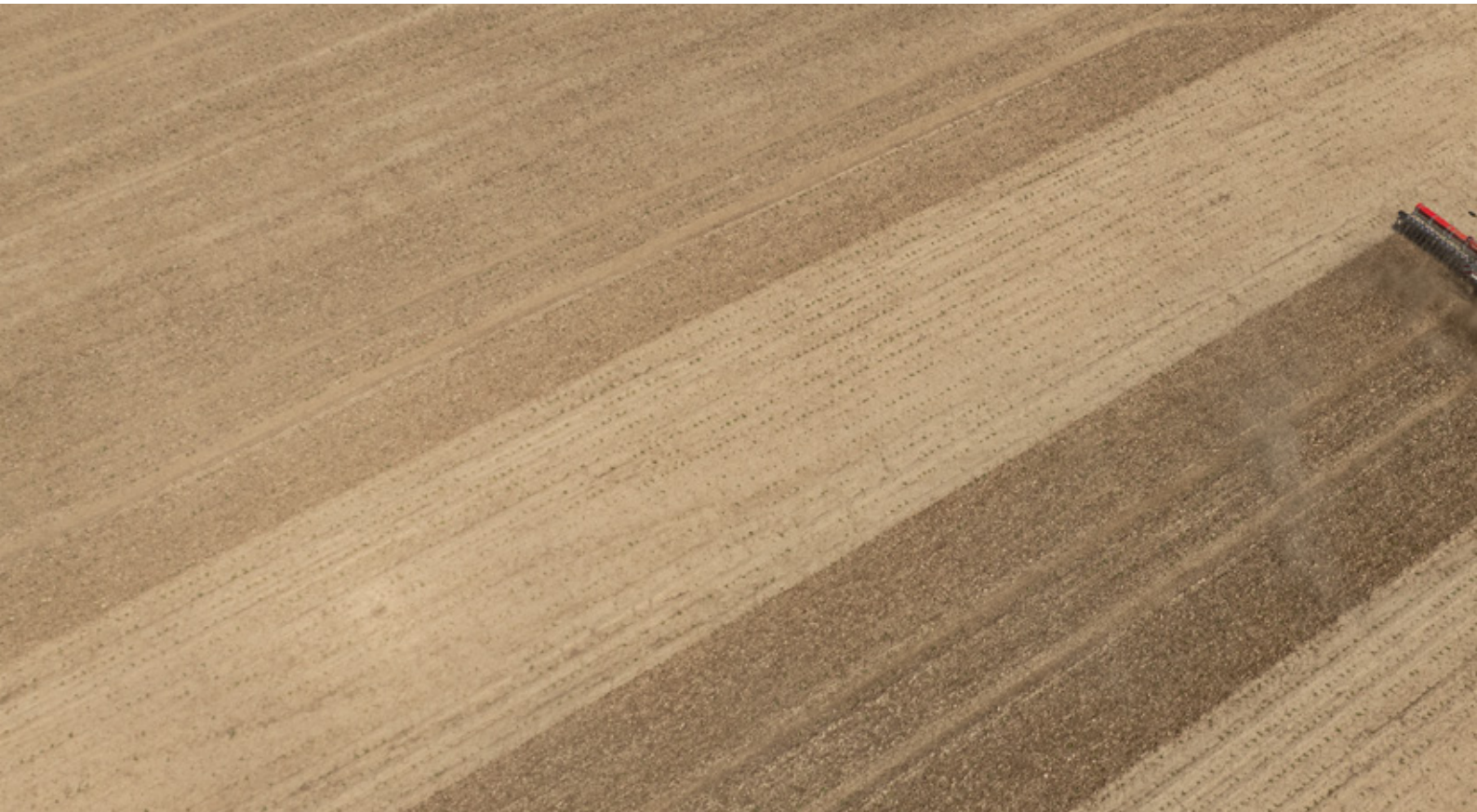
The 6.6 m and 8 m machines are in three parts, while the 12.4 m machines have a five-segment folding system.

The outer segments can be folded inwards during operation if needed. Overlaps can be reduced as a result.

No problems in organic residues

The 105 mm offset between adjacent stars, with a spacing of 89 mm, provides plenty of clearance for organic matter, with the added benefit of the stars' self-cleaning effect. This means that the ROTOCARE V can also be used to great effect on min-till fields, especially for sowing a cover crop.

Maximum efficiency



Low pulling power requirement

Only a low pulling power requirement is needed thanks to the rolling action of the 540 mm rotary hoe stars. Each of the rotary hoe stars is mounted on precision bush bearings to ensure good friction-free operation. This effectively saves fuel while maintaining a high output.

Lower servicing costs

Because the rotary hoe stars are suspended individually, they can be replaced separately. They are fitted with sealed bearings, which results in low maintenance costs and an extended service life. Maintenance work during operation is limited to greasing the folding mechanism hinges.

Designed for high output

The solid 180 x 180 mm frame construction with a wall thickness between 5 and 8 mm is designed for maximum durability. When unfolded, the segments interlock for the highest possible strength.

On the 12.4 m machine, torsion-resistant folding segments make a significant contribution to ensuring the maximum service life. The folding cylinders are integrated into the frame to protect them from dust.



Jockey wheels

The jockey wheels on RTOCARE machines ensure a very smooth ride and optimum ground tracking, even on uneven terrain.

All the jockey wheels on the machine are the same, with dimensions of 16x9.5-8, and can be easily adjusted to the same height using the hole matrix, ensuring they are all in alignment.

With the two additional outer jockey wheels on the RTOCARE V 6600 and V 8000, the RTOCARE delivers even higher output while achieving consistently high quality working results.

Maximum reliability

The standard stone guard and cylinder guard plates protect the tractor and the machine from stones and clods of soil ejected during operation.

In areas with larger stones, the optional stone guard for each rotary hoe star is recommended to ensure smooth running of the machine.

Straightforward machine set up

- The intensity of the rotary hoe is determined by the driving speed, the position of the jockey wheels, and the length of the top link.
- The working depth is adjusted using the depth control wheels.
- The depth control wheels can be adjusted mechanically as standard, with hydraulic adjustment available as an option, to suit the tractor's track width and row spacing.
- The driving speed has a decisive influence on the working results and the intensity of the weeding tools (slow = aggressive; fast = gentle).
- The pendulum indicator on the frame helps align the machine horizontally when setting up at the start of work.

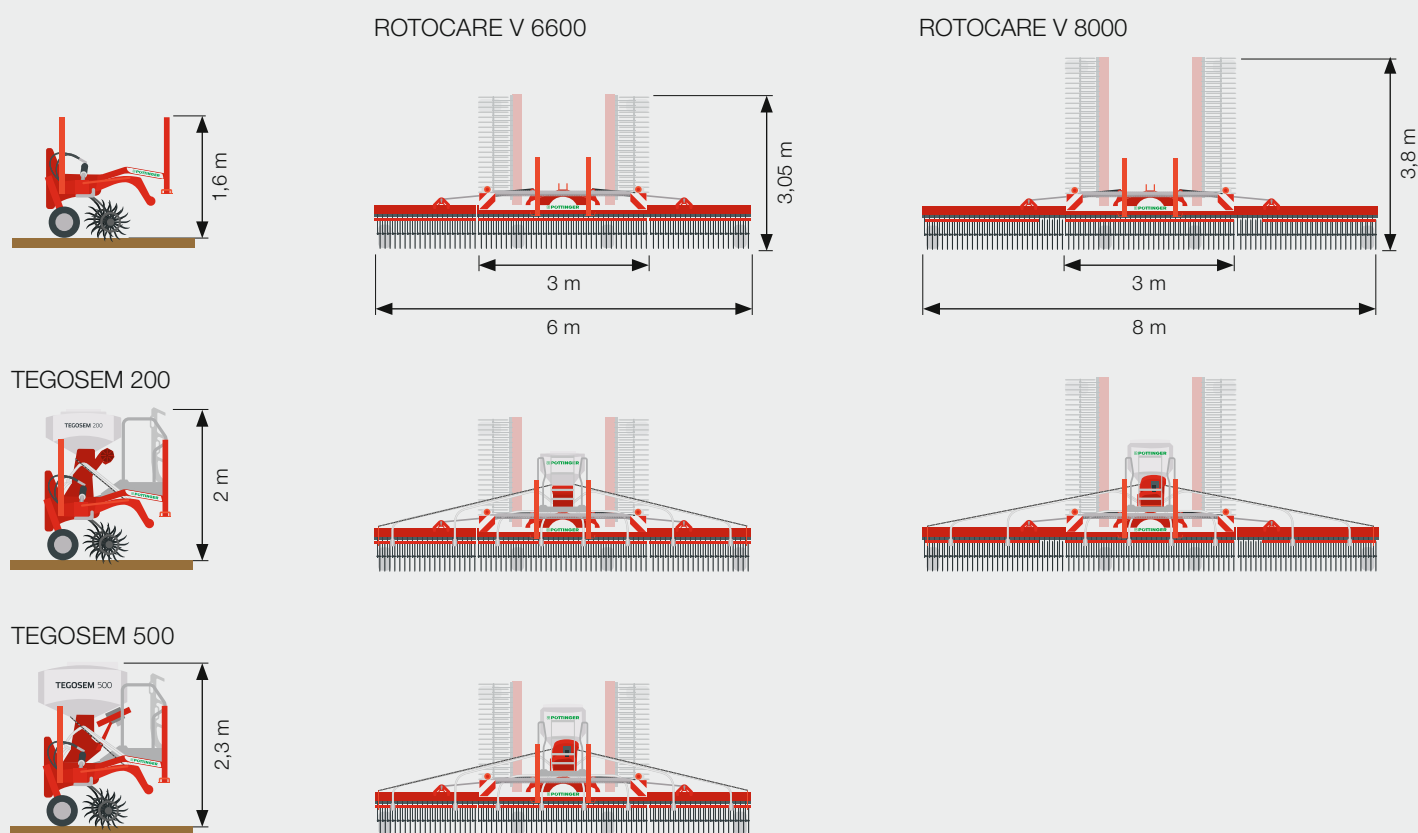
2 top link and 3 lower linkage coupling points are available for different tractor geometries.

ROTARY HOE





Rotary hoe



The smooth running all-rounder

Thanks to its compact design, the ROTOCARE V saves space when parked, and can also be transported on the road without problems.

The configuration of the rotary hoe stars, spaced 8.9 cm apart, has been carefully designed so as not to exceed the transport width of 3 m.

The rotary hoe has the following dimensions:

ROTOCARE V 6600

- Star arrangement after folding: 74 stars – 20 / 34 / 20

ROTOCARE V 8000

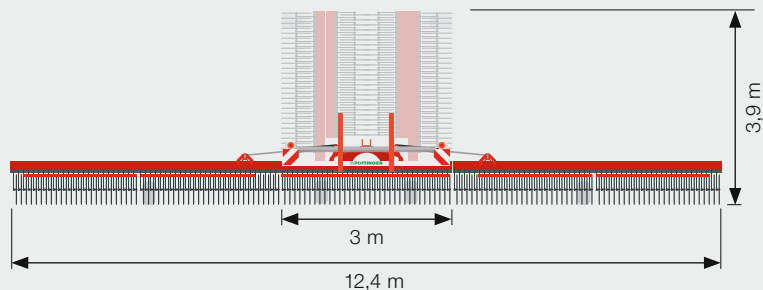
- Star arrangement after folding: 90 stars – 28 / 34 / 28

ROTOCARE V 12400

- Star arrangement after folding: 140 stars – 25 / 28 / 34 / 28 / 25

ROTOCARE V 6600, V8000, V12400

ROTOCARE V 12400



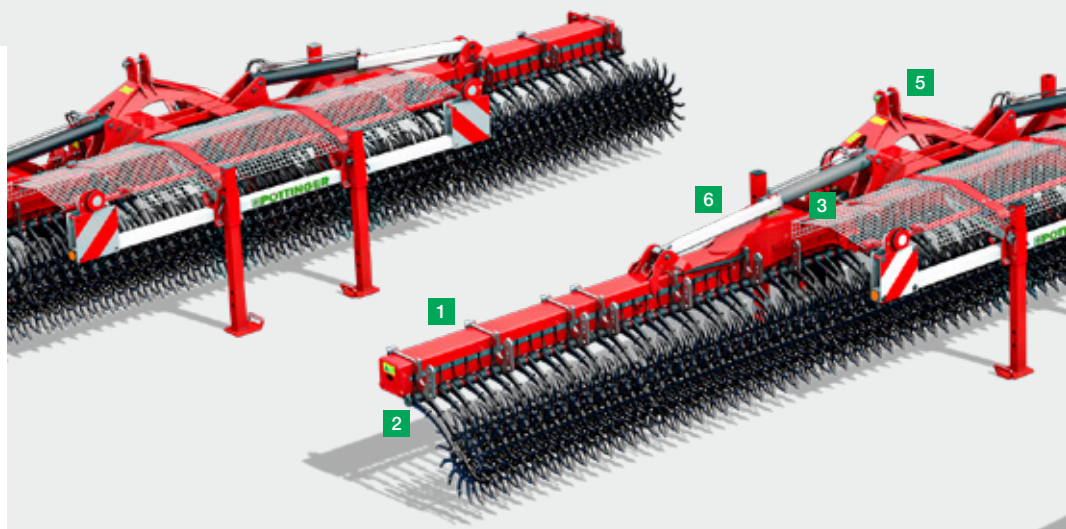
TEGOSEM

ROTOCARE rotary hoes can be equipped with the following TEGOSEM flexible hoppers:

- The TEGOSEM 200 or TEGOSEM 500 are available as options on the ROTO CARE V 6600
- The TEGOSEM 500 is available as an option on the ROTO CARE V 8000

Rotary hoe

- 1 Frame
- 2 Offset position
- 3 Stone guard
- 4 Rotor stars
- 5 Mounting position
- 6 Transport interlock
- 7 Depth control wheels
- 8 Parking stands
- 9 TEGOSEM
- 10 Spring centering bar



ROTOCARE V

1 Frame

The robust, torsionally stiff frame ensures a high level of reliability and precision during operation. The folding sections are secure because the booms interlock.

2 Offset position

The rotary hoe stars are positioned at an offset of 105 mm. Together with a star spacing of 89 mm, a high level of reliability is ensured even with surface organic matter.

3 Stone guard

The stone guard is provided as standard to prevent foreign objects from being ejected upwards during operation.

4 Rotor stars

540 mm stars with 16 wear-resistant spoon points conserve the soil. Each rotary hoe star is mounted individually to ensure optimum ground tracking across the whole width of the machine.

- 8.5 mm springs
- Up to 20 kg pressure per star possible

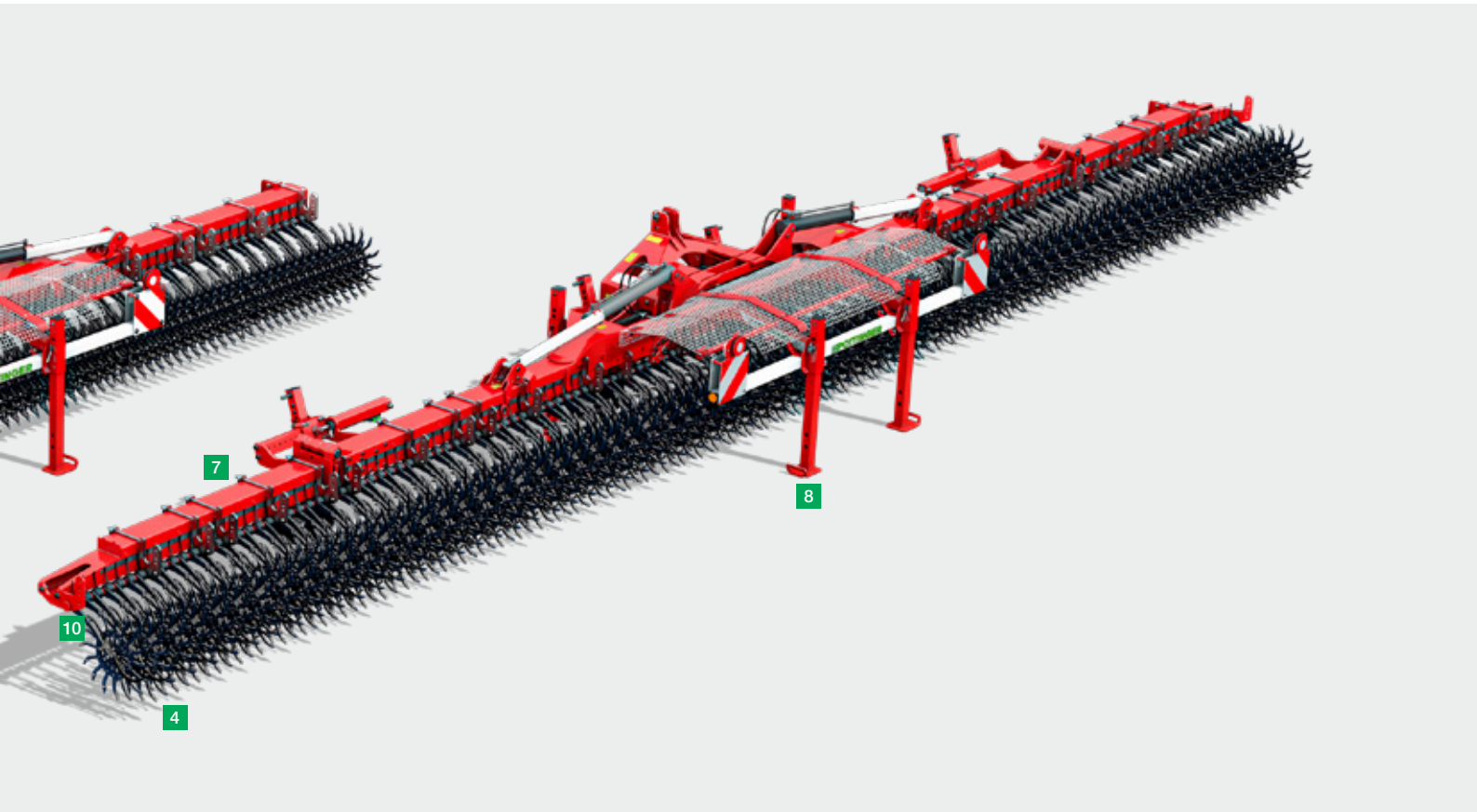
5 Mounting position

The machine is suitable for different tractor geometries thanks to different top link and lower linkage mounting positions.

6 Transport interlock

For safety on the road, a mechanical transport interlock is provided in addition to the hydraulic check valves.

ROTOCARE V 6600, V8000, V12400



7 Depth control wheels

The pneumatic depth control wheels ensure optimum ground tracking. Mechanical track width adjustment (hydraulic optional) enables rapid adjustment to match different tractor track widths.

8 Parking stands

Four parking stands are fitted as standard so that the machine is stowed in the transport position. The parking stands are simply raised during operation; there is no need to remove them.

9 TEGOSEM

The RTOCARE 6600 is available with a TEGOSEM 200 flexible hopper sowing unit with an electric fan drive system, while the larger TEGOSEM 500 is equipped with a hydraulic fan drive system. The TEGOSEM 500 is available as an option for the RTOCARE V 8000.

10 Spring centering bar

The spring centering bar on the frame of the RTOCARE V ensures precise alignment of the rotary star suspension springs and consistent tension across the whole working width.

Rotary hoe

Matched to the farm's specific needs



The ROTOHOE V rotary hoe not only delivers impressively high area coverage and tremendously high output; thanks to its easy-to-use settings and optimum protection against stones, the ROTOHOE V is a versatile asset on your farm.



Additional jockey wheels

The jockey wheels available as an option on ROTOHOE machines ensure a smoother ride and improved ground tracking, also on uneven terrain.

All the wheels on the machine are the same size and can be adjusted to the same height using a hole matrix.

Hoe star locking mechanism

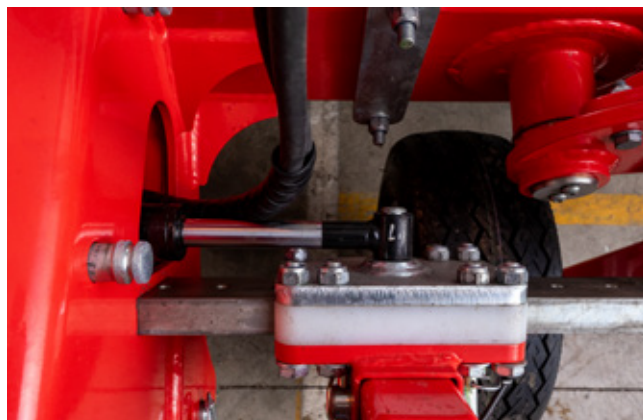
The optional hoe star locking mechanism enables individual rotary hoe stars to be locked in their uppermost position. This system can be used to provide optimum protection for sensitive plants and row crops while maintaining the same high output.

ROTOCARE V 6600, V8000, V12400



Stone guard

A stone guard is available as an option and is recommended to ensure trouble-free operation and the best protection in stony conditions. This is mounted between the rotor stars to prevent fist-sized stones from jamming.



Hydraulic track width adjustment

Hydraulic track width adjustment allows the depth control wheels to be adjusted to match any tractor track width and row spacing. The ROTOCARE is fitted with mechanical track width adjustment as standard.

Compatible products

Flexible hopper TEGOSEM



When used with a ROTOCARE rotary hoe, the TEGOSEM flexible hopper opens up more applications. It can combine mechanical weed control with the application of cover crops, micro-granules, and companion crops, which not only saves a pass in the process but also saves time and money.



Advantages of the TEGOSEM hopper:

- Crop care and sowing in a single pass
- Rapid and cost-effective application of micro-granules or sowing a cover crop or companion crop
- Deposited behind the airborne flow of soil, which subsequently covers the material with soil
- Loading platform with handrail for convenient and safe filling

Loading

The TEGOSEM hopper is mounted on the main frame of the ROTOCARE rotary hoe with working widths of 6.6 m and 8 m. A loading platform ensures safe filling of the 200 litre or 500 litre hopper.

ROTOCARE V



Intelligent systems

The flexible TEGOSEM hopper is equipped with an adaptable metering shaft, which is electrically driven according to the driving speed, and switches off automatically at the headland.

Distribution

Conveying the material to the distribution system is done pneumatically through hoses. At the distribution system, the material is distributed evenly over the soil by the distribution plates.



Simple operation

The TEGOSEM is controlled by a control terminal in the driver's cab. This makes it very easy to regulate the application rate. The TEGOSEM 500 can also be controlled using ISOBUS. The TEGOSEM is operated either by the tractor terminal or an ISOBUS control terminal, such as the CCI 1200.

For increased convenience, the flexible TEGOSEM hopper is equipped with additional features, including a level sensor.

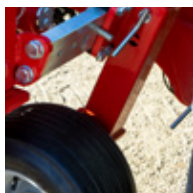
Advantages of easy operation

- Output rate is set electronically
- Metering shaft control and monitoring
- Priming function
- Headland management

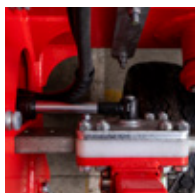
Equipment options



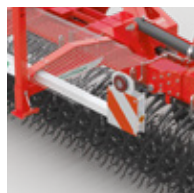
ROTOCARE V



Mechanical track width adjustment



Hydraulic track width adjustment

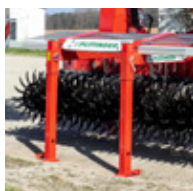


Stone guard



Stone guard for each star

ROTOCARE V 6600	■	□	■	□
ROTOCARE V 8000	■	□	■	□
ROTOCARE V 12400	■	□	■	□



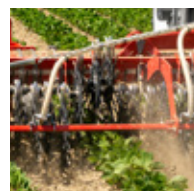
Parking stands



Cylinder guard



Pendulum indicator for levelling frame

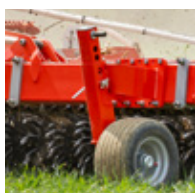


Hoe star locking mechanism

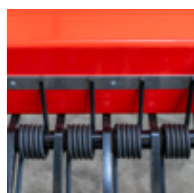
ROTOCARE V 6600	■	■	■	□
ROTOCARE V 8000	■	■	■	□
ROTOCARE V 12400	■	■	■	□



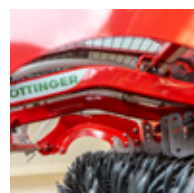
Warning sign with lighting



Additional jockey wheels



Spring centering bar



Dynamic mounting bracket

ROTOCARE V 6600	□	□	■	■
ROTOCARE V 8000	□	□	■	■
ROTOCARE V 12400	□	□	■	■

■ = standard, □ = optional, – = not available

Technical data



ROTOCARE V

ROTOCARE	V 6600	V 8000	V 12400
Working width	6.6 m	8 m	12.4 m
Number of rotary hoe stars	74 pcs	90 pcs	140 pcs
Star spacing	89 mm	89 mm	89 mm
Weight ¹	1,650 kg	1,850 kg	3,050 kg
Transport width	3 m	3 m	3 m
Transport height	3.05 m	3.8 m	3.9 m
Transport length	1.7 m	1.7 m	1.7 m
Frame dimensions	180 x 180 mm	180 x 180 mm	180 x 180 mm
Underframe clearance	500 mm	500 mm	500 mm
Jockey wheel tyres	16x9.5-8	16x9.5-8	16x9.5-8
Power requirement	90 hp	110 hp	160 hp
Mounting	Cat. 2 / Cat. 3N	Cat. 2 / Cat. 3N	Cat. 3

¹ Basic machine



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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 from year of build 1997 onwards.

Scan the QR code on the machine's data plate with a smartphone or tablet or go to www.mypottinger.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 the instruction manual, equipment options, brochures, photos and videos.

If you want it to last,
you want the
original.



This QR code takes you directly
to the website.

 **PÖTTINGER**
Original Parts

ORIGINAL PARTS



Regardless of whether you've got a new machine or a classic, our spare parts logistics centre stocks over 55,000 parts to give our machines an extended service life. Thanks to the many local warehouses in 13 countries and a large network of dealerships, original parts are available in over 60 countries.



Finding the right parts is easy

Our digital services are available free of charge and have largely replaced paper-based spare parts lists:

- www.mypoettinger.com provides free access to machine documentation on your smartphone and tablet.
- [agoparts](#) offers an intuitive search function to pinpoint the correct parts. This eliminates the risk of placing the wrong order.



No worries with the original

Too short, wrong hole pattern, wears out quickly? You don't get these problems with an original part. And there are many more advantages:

- Immediate and long-term spare parts availability
- Maximum service life
- Perfect fit
- Attractive and competitive prices



More success with PÖTTINGER

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

Harvest quality

- Healthy soil is one of the key provisions for optimising your yield. We support you in achieving this with our machines.
- A clean, tasty basic ration is the foundation for an efficient dairy business. From mowing through to harvesting, we help you have a positive influence on the quality of your forage.
- Trust in PÖTTINGER. Harvest success.

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