

SOIL CULTIVATION



EVERS AGRO B.V.

Customised machinery for the entire world.



Developing machinery to suit the needs of each individual customer. That's been our mission since metalworker Johannes Evers founded our company more than 55 years ago, aimed at building quality machinery tailored to the needs of the neighbouring farmers.

Complex work processes can be very time consuming, which is why Evers Agro focuses on functionality and practical handling when

developing machinery. The development of Evers Agro relies on decades of experience and regular intensive exchanges with practitioners.

We only use high quality and durable materials. Furthermore, our plant in Almelo in the Netherlands uses the latest technology to offer an extremely high manufacturing capacity. From here, we deliver appropriate and practical solutions to customers on every continent.

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SUBSOILING

Restoring the natural soil structure

Farming agricultural fields often results in changes to the soil structure. The use of heavy farming equipment is just one cause of compaction of the soil layers. Sometimes these layers need to be loosened up to retain soil vitality and to counter declines in yield.

Solutions that conserve the soil

The right choice of machinery is essential to minimise disturbance of the natural soil structure. Whereas some models aim at thoroughly mixing the earth, the soil can also be loosened without mixing the soil layers. Preparation appropriate to the needs of the soil has the advantage of removing compaction in the soil profile. This improves the water and air balance, whilst minimising harmful soil moisture. Plants can then root more easily and absorb available nutrients more effectively.

Evers pre-subsoilers and subsoilers penetrate deep into the soil. The wide product range offers the appropriate type of equipment for every type of work and soil.



Pre-subsoilers with 4 or 6 tines have a universal PTO channel for mounting a PTO driven machine

THE ADVANTAGES

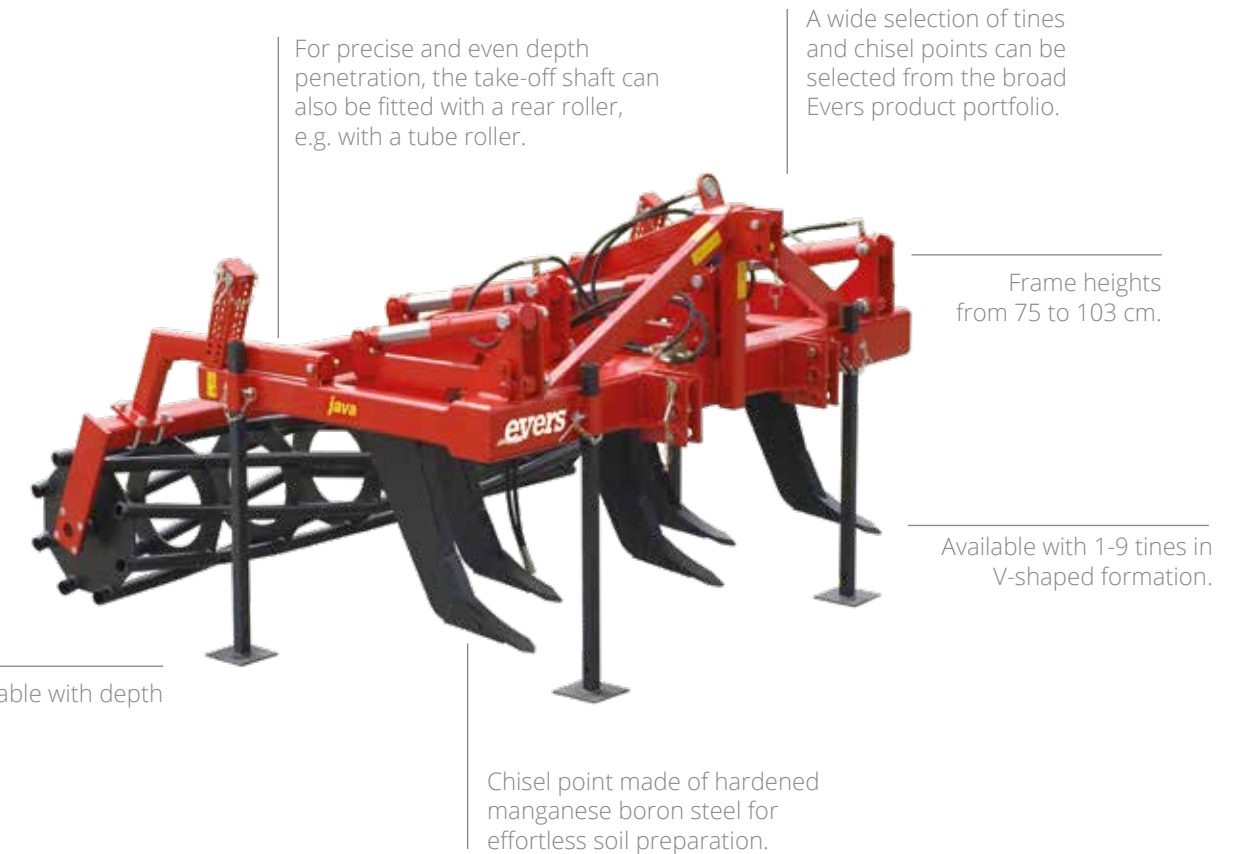


Illustration as example for subsoilers

Large-scale hydraulic cylinders ensure long operating life without loss of power. Optional: hydraulic stone protection to protect the machinery on stony soils.

We provide customised solutions: e.g. frame heights of 143 cm which ensure extreme working depth.

For optimal adaptation to the soil, tube roller, depth control wheels or a combination of both options can be selected.

The extensive Evers portfolio features subsoilers on which the spacing between the outermost tines can be steplessly adjusted (150 – 225 cm).



(ALMOST) UNLIMITED OPTIONS

Configure your own subsoiler



Minimal tillage



Traditional tillage

TINES



W-formation with opening for PTO

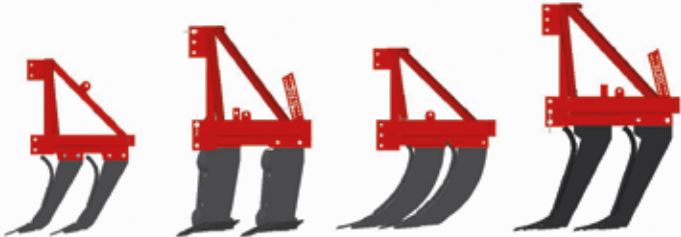


V-formation of tines



W-formation of tines

DESIGN



75-103 cm

FRAME HEIGHT



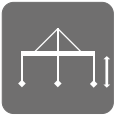
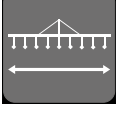
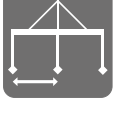
Rear roller



Support wheels

DEPTH CONTROL

EQUIPMENT OPTIONS

	Chisel points	6-78 cm
	Frame height	75-103 cm
	Roller type	Tube, Saturnus, Orion
	Number of tines	1-9 tines
	Working width	100-700 cm
	Tine spacing	50-180 cm
	Power requirement	30-600 HP

- Accessories
- Warning sign with lighting and reflectors
 - Rollers
 - Depth control wheels
 - Various types of tines and chisel

→ We will be happy to help you select the right subsoiler for your individual farming conditions.

CULTIVATORS – DEEP



Optimal loosening – for healthy soil.

A version for more intensive soil-loosening – the cultivator. This enables thorough loosening of the soil with large working widths.

The cultivators with rigid tines have been part of the standard Evers product range for decades. Continuous optimisation with the emphasis on versatility is the priority in this respect.



Configure your own subsoiler.

THE ADVANTAGES

Robust and stable frame construction from high quality rectangular tube.

Leg made of hard steel with replaceable wearing parts.

A wide selection of tines and chisel points can be selected from the wide Evers product range.

Depending on the main use, the number of tine rows can be chosen at will.



Working depths possible up to 60 cm.

Illustration as example for cultivators – deep working

All cultivators are fitted with shear bolt protection as standard. The Auto Reset Mechanism guarantees long operating life for use on heavy, stony soils.



An hydraulic lifting device is available on request. In combination with a pre-subsoiler, several processes can be completed simultaneously in a single operation.



Can also be used in combination with rear rollers from the extensive Evers range.



The optional hydraulic folding cultivator is also available with seeding machine for cover crops.



(ALMOST) UNLIMITED OPTIONS

Configure your own cultivator

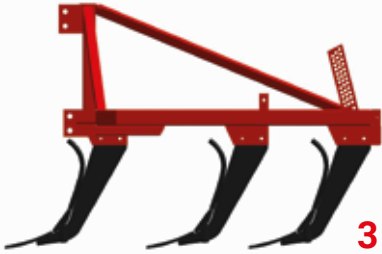
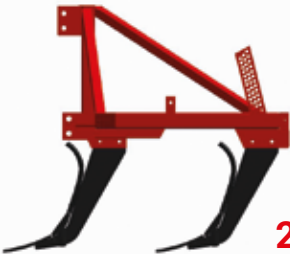


Rigid frame

Retractable

The retractable row of tines facilitates simultaneous loosening of two layers. If the second row of tines is lifted completely, the spacing between the remaining tines is doubled, which provides considerably greater clearance. This make the cultivator suitable for use in difficult conditions too.

TINE ROWS



1 Row

2 Rows

3 Rows

NUMBER OF ROWS



support wheels

Rear roller

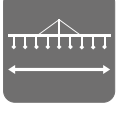
DEPTH CONTROL



Available with St, K or KG tines. The "Garron" cultivator can also be delivered with MT tines. You can also choose from a broad range of chisels. These are 6 cm wide standard, but a width of 15 or 25 cm are available options. Evers has the right solution for all your specific requirements.

TYPES OF TINES

EQUIPMENT OPTIONS

	Chisel points	6–38 cm
	Frame height	59–83 cm
	Roller type	Tube, Saturnus, Trapeze, Orion, Packer
	Number of tines	5–25
	Working width	120–800 cm
	Tine spacing	25–41.25 cm
	Power requirement	80–400 HP
	Accessories	→ Warning sign with lighting and reflectors → Hydraulic lifting device → XL frame → Depth control wheels

→ We will be happy to help you select the right cultivator for your individual farming conditions.

CULTIVATORS



Effective soil preparation

Known as the all-rounder in stubble and seedbed preparation, cultivators are suitable for both shallow and deeper soil preparation. Choosing the proper tine types and the number of tine rows is key, depending on the intended use.

Evers offers an extensive range of equipment, offering the right model for any operation. In the design of the cultivators, special attention was devoted to easy pulling and a limited power requirement.



Fitted with strong spring tines, the cultivator loosens the soil reliably across the entire working width.

THE ADVANTAGES



Illustration as example for cultivators

Depending on your requirements, the cultivator can be provided with 2 to 5 spring tine rows to enable optimal clearance.

The rear roller ensures the necessary depth control and leaves behind an optimally recompacted soil, depending on the type, as well as the desired degree of crumbling.

The wide wing points ensure soil cultivation across the entire working width, leaving an even incorporation of stubble.

Depending on the purpose intended, you can choose between a three-row and five-row cultivator with large spring tines.



(ALMOST) UNLIMITED OPTIONS

Configure your own cultivator



Support wheels

Rear roller



EQUIPMENT OPTIONS



Chisel points 5–44 cm



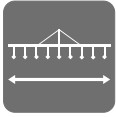
Cultivator frame height 55–85 cm



Roller type Tube, Trapeze, Saturnus, Orion



Number of tines 5–54



Working width 120–800 cm



Tine spacing 16–42.5 cm



Power requirement 50–400 HP

- Accessories
- Warning sign with lighting and reflectors
 - Hydraulic lifting device
 - Depth control wheels
 - Various types of tines and chisels

→ We will be happy to help you select the right cultivator for your individual farming conditions.

DISC HARROW



The Vario-Disc disc harrow.

The compact Vario-Disc disc harrow can be used for shallow stubble preparation on light and medium soils as well as for seedbed preparation for mulch seed, or behind the plough.

Thanks to continuous cutting angle adjustment and adjustable working angle, the Vario-disc harrow can be used in all soil conditions. Whatever the soil condition and type of soil texture, the easy-to-pull Vario-Disc provides outstanding results at a high rate of coverage.

In particular, the disc harrow shows its strengths in shallow stubble cultivation. Stubble processing with the Evers Vario-Disc disc harrow, ideal for short cutting and working in crop residues. The continuous angle adjustment of the discs makes it possible to set the machine optimally for a perfect result.



The Vario-Disc also demonstrates its strengths in shallow stubble cultivation, ensuring rapid rotting of the straw.

THE ADVANTAGES

In combination with a pre-cultivator, soil cultivation is also ensured.

Clever arrangement of the machinery elements ensures that only limited horse power is required.

The roller ensures the required depth, consolidation and degree of crumbling



51 cm disc diameter – the discs are also available optionally in the sizes 56 and 61 cm.

Harrow discs arranged in four rows prevent clogging.

Extremely robust and adjustable tapered roller bearings ensure low maintenance.

Illustration as example for disc harrow.

The disc harrows are available in up to seven metre working widths and coupled with chassis, if required.

The continuous cutting angle adjustment enables an individual disc angle for each row.

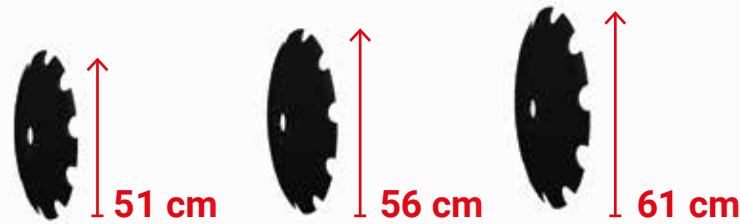
Using the special stone protection device with maximum swing path, plant residues and stubble can be ploughed in effortlessly, even on stony soils.

Small working widths for use in fruit orchards or vegetable gardens can also be manufactured to customers' requirements.



(ALMOST) UNLIMITED OPTIONS

Configure your own disc harrow



DISC DIAMETER



2-row



4-row

NUMBER OF ROWS



Trailed



Three-point

LINKAGE



With stone protection



Without stone protection

VARIO CUTTING ANGLE ADJUSTMENT

EQUIPMENT OPTIONS



Number of discs 8–56



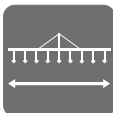
Disc diameter 51–61 cm



Disc spacing 25–42.5 cm



Roller type Tube, Trapeze, Saturnus, Orion



Working width 1–7 m



Power requirement 50–450 PS

- Accessories
- Trailed version
 - Braking device
 - Front version
 - Central lubrication
 - Warning panels with lighting

→ We will be happy to help you select the right cultivator for your individual farming conditions.

REAR ROLLERS



For optimal consolidation.

Depending on soil conditions, machines should be fitted with different rear rollers for levelling, crumbling or consolidation. Evers offers a wide range of options, from the popular tube roller to the Saturnus roller developed by us, which has been constructed for use in wet conditions and on stony soils.

Rear rollers are not only suitable for consolidating the soil, they also promote water absorption and help raise the oxygen content in the soil. This prevents erosion and improves the soil quality.



The trapeze roller is suitable for most soil conditions.



- ✓ Good crumbling on light and medium soils
- ✓ Good bearing capacity on light and medium soils
- ✓ Precise levelling and good consolidation for light conditions

TUBE ROLLERS



- ✓ Optimal consolidation on medium to heavy soils
- ✓ Leaves behind a seedbed-prepared soil structure (ring spacing 12.5 cm)
- ✓ Machine runs in line behind the tractor, also on hillsides

TRAPEZE ROLLERS



- ✓ Good crumbling on light and heavy soils
- ✓ Intensive levelling over the entire surface, even in heavy conditions
- ✓ Excellent consolidation, without over crumbling of the soil surface

ORION ROLLERS



- ✓ Even consolidation
- ✓ Self-cleaning by using two different ring sizes
- ✓ Ideal for rolling on grassland

PICTOR ROLLERS



- ✓ For use in wet conditions and on heavy and stony soils
- ✓ Even crumbling over the entire working width
- ✓ Machine runs in line behind the tractor, also on hillsides

SATURNUS ROLLERS

REAR ROLLERS IN DETAIL

Every soil is different, so Evers offers a wide range of rear rollers, depending on the soil type. However all Evers rollers have one thing in common: precise manufacture and robust design.

The V form makes the difference.

Roller diameter and number of tubes.

Ø 36 cm – 7 tubes – ideal for lighter machinery on medium soils with good load bearing capacity.
Ø 45 cm – 6 to 8 tubes – ideal for lighter soil cultivation machinery on all soils.
Ø 62 cm – 8 or 12 tubes –ideal for heavier machinery, such as deep working cultivators on all soils.
Ø 80 cm – 9 or 13 tubes.

Optional: the V form.

If required, your tube roller can have tubes mounted in V form. This special setup means that the roller runs more easily and levels the soil more evenly. The V form reveals is particularly useful on heavy soils and behind machines with larger working width.

Optional: angle or square irons.

As an alternative to the rollers with tubes, we also deliver rollers with angle irons or square irons. Both iron types are suitable for breaking up large clods or used stand alone to break up catch crops.



TUBE ROLLER

A roller for (almost) all soils and machines.

With its 62 cm diameter and ring spacing of 125 mm, this trapeze roller promotes optimal crumbling and achieves good consolidation of the soil, not least thanks to its weight. The spring cleaners between the rings interrupt the flow of earth, thus preventing clogging. The trapeze roller's characteristics turn it into an optimal rear roller on most soils and behind most machines.

Working width and number of rings.

The number of rings depends on the width of the trapeze roller. The range begins with a working width of 50 cm with 4 rings and ends at 350 cm with 28 rings. From 20 rings, resp. 250 cm roller width, an intermediate bearing is standard.



TRAPEZE ROLLER

Ideal for various soils.

Due to its large diameter, the Orion roller provides a first class result, particularly on light soils. The special ring structure prevents the roller from smearing, making the Orion roller suitable for use on heavy soils too. The roller is available in various versions, depending on the requirements.

Roller diameters

Ø 47 cm – 1 or 2 rows of rings
Ø 59 cm – 1 or 2 rows of rings
Ø 71 cm – 1 row of rings



ORION ROLLER

Self-cleaning rings.

The Pictor roller adapts very well to the soil, making it reliable on both arable land and grassland. One highlight is the self-cleaning effect of the roller, resulting from the interaction between rings of various sizes. The small rings with a diameter of 44 or 56 cm are fixed on the axle, while the larger rings (Ø 49 or 62 cm) run freely along the path of the smaller rings, preventing clogging.

Working width and number of rings.

The number of rings depends on the width of the Pictor roller. The range starts with a working width of 100 cm with 17 rings and ends at 305 cm with 51 rings. With larger working widths, the roller is also available in a hydraulic folding version.



PICTOR ROLLER

The Multi-talent.

The Saturnus roller is the optimal rear roller, particularly for farmers that grow crops on various soil types. With its robust construction, the roller runs easily in wet conditions and over stony soils. The special design prevents stones from becoming stuck between the rings.

Working width and number of rings.

Between 15 and 27 rings, each 62 cm in diameter, mounted onto the Saturnus roller, which is available from 100 cm working width. In the largest version (400 cm working width), it has a considerable weight of 915 kg, ensuring good consolidation.



SATURNUS ROLLER

ROLLERS



Seedbed preparation.

Evers rollers are ideal for rolling after seeding on any soil type. Furthermore, Evers rollers can also be used to stimulate growth and tillering on grassland or in grain crops.

By means of rolling, existing clods and crusts are broken up, thus assuring uniform field sprouting. At the same time, capillary action in the soil is improved and unwanted evaporation of soil moisture reduced.



The Concord roller also leaves a level and finely crumbled seedbed, even on heavy soils.

CONCORD ROLLER

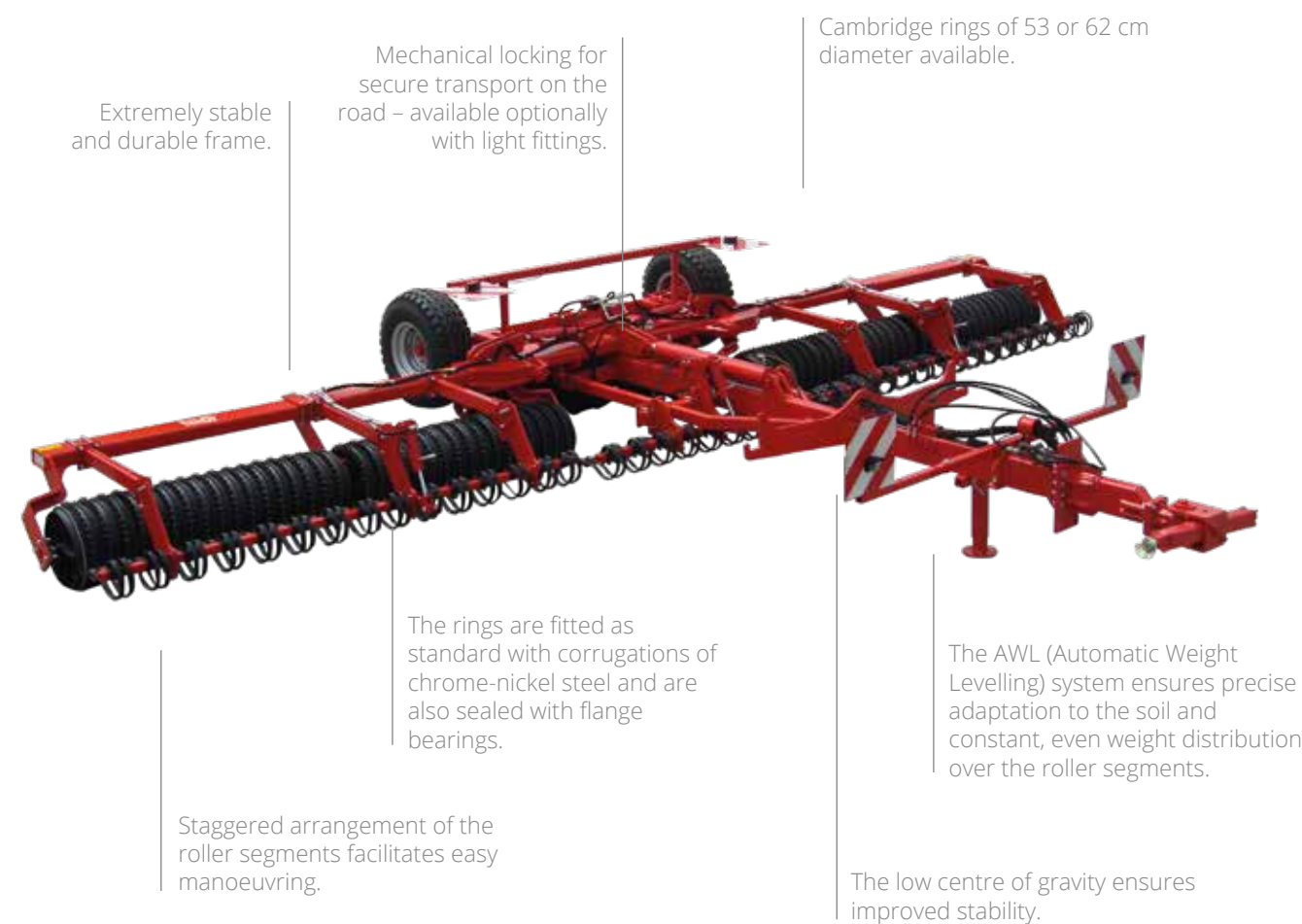


Illustration as example for rollers.

Working widths up to 930 cm can be achieved for especially wide coverage.

Crumbling can be set precisely with the hydraulic levelling board, which can be fitted afterwards.

Concord rollers are available with various ring types and diameters depending on use. Cambridge, Crosskill or Pictor rings can be chosen from among others.

All Concord rollers can be fitted with a seeder for sowing fine seeds and cover crops.



GREENING ROLLER



Illustration as example for Greening-rollers.

Effective soil cultivation by using two rollers of variable diameters.



Ideal for crushing crops.



Available as front mounting as well with mud guards against stone impact and dirt.



Available as trailed version for stable use and secure transport.



PACKER ROLLER



Illustration as example for Packer rollers.

The packer roller is available in both a trailed and a hitched version.



The front packer features a steered linkage. Thanks to the pulling point at the front, the packer can optimally follow movements.



For better consolidation, the packer roller can also be integrated in the cultivator.



Our wide product range also features a double ring packer as rear roller behind a reversible plough. For optimal crumbling, the packer can additionally be equipped with a breaker ring.



SEEDBED PREPARATION



Well prepared seeding.

The importance of careful seedbed preparation is usually only revealed during the harvest. To ensure that the resulting yield is as expected, the soil should be prepared optimally before sowing. This is where the Evers short combination comes into its own for seedbed preparation.

Tines and rear roller are perfectly attuned to each other and developed for use on ploughed fields. Mounting is possible both at the rear and at the front linkage.

Levelling and simultaneous consolidation lead to secure field sprouting, a uniform crop and ultimately a rich harvest.



The last working step before sowing – seedbed preparation – prepares the soil optimally for the seed.

THE ADVANTAGES

Depending on the soil type, a suitable roller can be selected from the extensive Evers portfolio.

The machine is available in working widths between 2 and 6 metres.

Version available with 2 or 3 rows of spring or rigid tines.

The combination can also be fitted with a levelling bar.



Illustration as example for seedbed preparation.

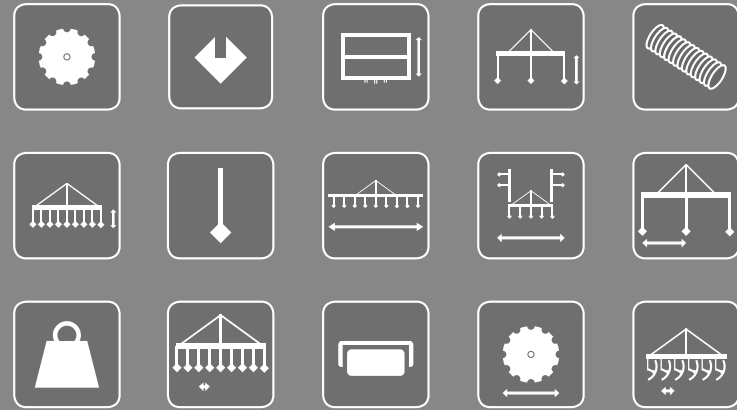
The short combination is available as a front or rear model.

The robust spring tines are also suited to working in varying soil conditions

The rigid tines leave behind an optimally prepared seedbed, also on hard soils.



CUSTOMISED MACHINERY



Our speciality – customised.

Whether soil preparation, slurry technology or grassland maintenance, our extensive product portfolio includes machines with extensive equipment options in the standard range.

If you are unable to find what you need, Evers can customise machinery to meet your requirements. All the machinery characteristics can be changed or modified, including working widths, types of parts and technical functions.

Configuration is carried out using basic and additional elements that are put together individually and then manufactured into your personal machine based on a professional design drawn beforehand.

Our engineers' years of experience mean that functionalities are quickly tested and implemented in the workshop.

Please ask our staff for advice.

The modular structure of our products enables us to offer a wide range of equipment options. Each basic model can be extended and assembled with the equipment required.



Here, no wishes are left unfulfilled: frame heights, working widths or number of discs - everything can be adjusted and customised to meet your requirements.



” The Evers Dales Spring tine cultivator is a very robust machine with a strong and stable frame. With its large frame clearance, I can easily cultivate fields with more crop residue. The result is a lovely mooth field. This machine is much better than cultivators produced locally. “Strong construction, good frame clearance, better than local manufacturer.” “

Mr. Takahashi, Abira (Japan)

OTHER PRODUCTS:

