

Swift Cultus Opus TopDown



Excellent results at depth





Where farming starts

60 years of facing agronomic challenges together with farmers all over the world makes us young in the business. But that has never stopped us from pushing the boundaries of agriculture - and it never will.

Finding new ways forward in an everchanging business, coming up with new innovations and presenting new solutions that simplify work and improve results for farmers is in our DNA.

That is what Väderstad always has done, and always will do.
Finding new solutions for a better tomorrow.



Excellent results at depth

Väderstad offer four cultivator families for deeper cultivation - Swift, Cultus, Opus and TopDown. Depending on the model, the maximum working depth is from 20 to 40cm. The cultivators share the same key cultivating principles, but provide different solutions to suit the requirements on each farm.







Complete range for deep cultivation

Tine according to depth

Swift has a vibrating tine working down to 20cm, reducing draught requirement and wear part costs. Cultus has a tine with spring suspension and 450kg release force, keeping depth down to 25cm. Opus and TopDown has hydraulically suspended tines with 700kg release force, maintaining working depth down to 30cm in all conditions. Equipped with DeepLoosening points the working depth increases to 40cm.

Designed for versatility

To meet differing farming needs, the machines can be fitted with a wide range of points and shins. Each tine is constructed as a modular system, enabling quick change and in turn offering high versatility. With the right choice of points and shins you are able to optimise the working result on your fields, providing the best start possible for the next crop.



A close-up photograph of a red Väderstad tine cultivator in operation. The machine's black metal tines are shown mixing brown soil and crop residue. The background is slightly blurred, showing more of the red machinery. The overall scene is dynamic, capturing the process of soil preparation.

The importance of mixing

The Väderstad tine cultivators are designed to deliver superior residue management through intense mixing. This is an essential benefit for the coming crop, where each plant is granted the same conditions for growth.



The unique MixIn shin

All Väderstad tine cultivators are equipped with the unique MixIn shin. The MixIn shin, which is seamlessly mounted towards the top of the point, drastically extends the mixing action of the machine.

Doubles the mixing effect

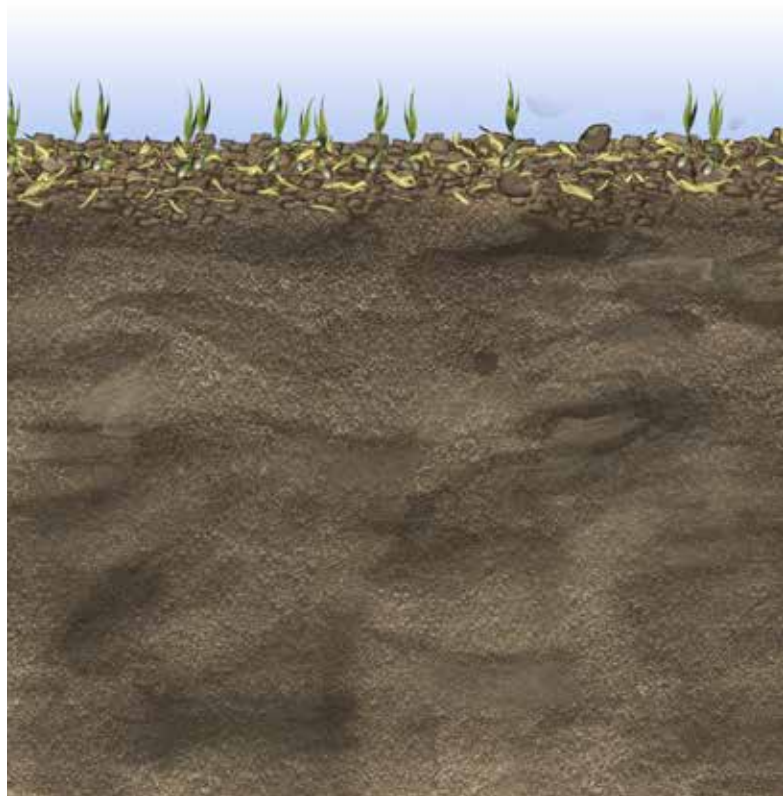
The MixIn shin throws the material forwards instead of upwards, which otherwise is the usual direction. This forces the material to pass the tine twice, doubling the mixing intensity both in depth and lengthwise.

Lengthwise distribution

The forward movement provides an intense lengthwise distribution of the crop residues. The mixing effect compensates for a limited straw distribution after a combine. This provides same conditions over the entire field, increasing the yield potential for the coming crop.

Depthwise mixing

By doubling the mixing effect, the MixIn shin provides superior mixing throughout the working depth of the machine. This means that the cultivator takes full advantage of each centimetre of its working depth. Compared to a traditional cultivator, this in many cases means that the working depth can be reduced without compromising the results. The MixIn shin saves diesel, while improving the mixing results on the field.



Great levelling effect

The intensive forward movement of soil levels uneven parts of the field, such as wheel tracks. By levelling in the same pass as the cultivating operation, the need for additional levelling passes on field is reduced.



Minimises clods

In heavy soil the throwing angle effectively breaks the soil flow and leaves it nicely crumbled. This improves the results, saving additional seedbed preparation.

Increased mixing with the same fuel cost

The MixIn shin is available in several widths. By equipping the machine with a wider shin than the selected point, the mixing effect is increased without altering the fuel cost.

Excellence in versatility

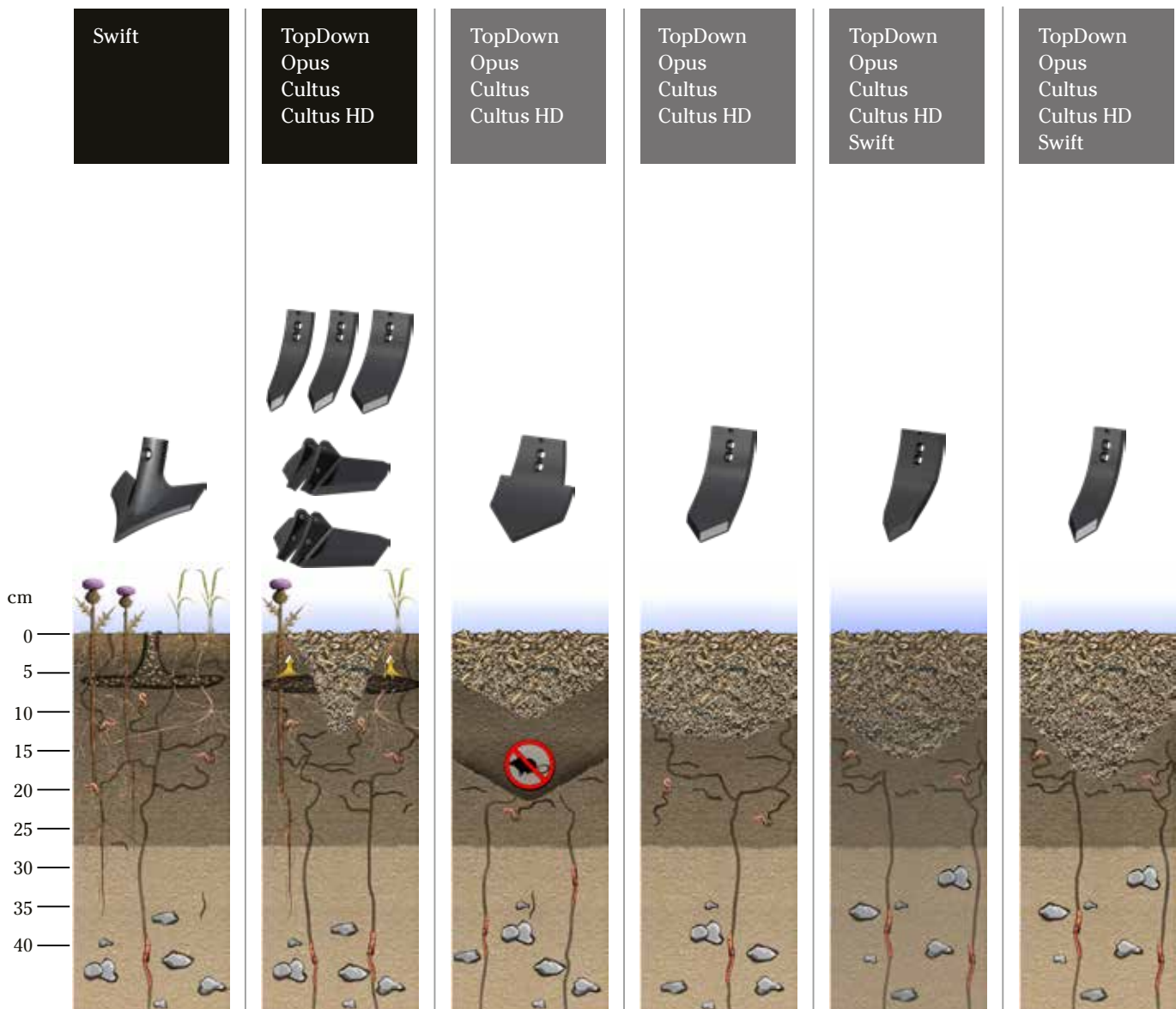
Each unique year in the field, poses different challenges. To adapt to varying conditions the cultivator needs to offer versatility. Equipped with the optimal points for the task, the machine produces excellent work results, while minimising fuel consumption.



Points according to requirement

Väderstad offers a wide selection of points with different characteristics, from 50 to 340mm working width. This enables the machine to be tailored according to the task for various field conditions.

Cutting points
 Mixing points
 Breaking points
 Breaking and mixing points



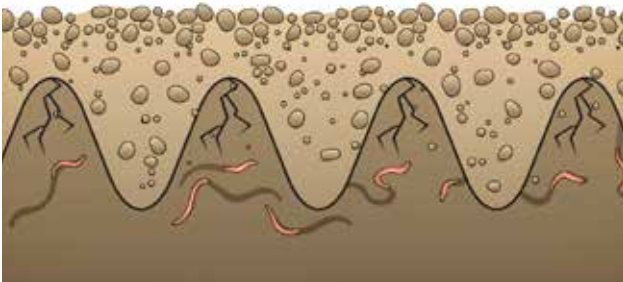
Väderstad parts manufacturing

To leave nothing to chance, Väderstad manufactures points, shins, discs and packers in our own state-of-the-art production facility in Sweden. This means we are able to guarantee that each key component of the machine is constructed with the same top-of-the-line product philosophy. This is unique in the farm machinery industry.



Let your soil determine your point

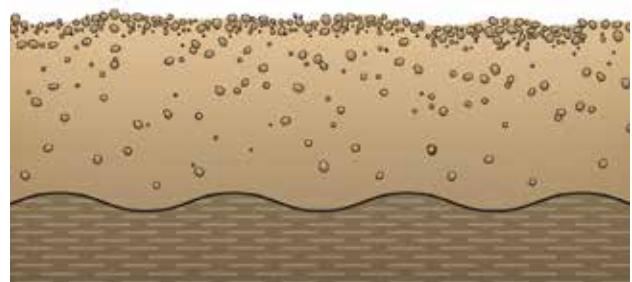
To maximise the root available space, great care should be taken to soil type when selecting points for the cultivator. While the heavy soil can rely on its structure, a lighter self-compacting soil needs a complete loosening to create optimal conditions for the next crop.



Heavy soils with structure

Compaction layers needs to be broken and focus should be set on creating a fine crumbled surface. If the structure and amount of residues allows for it, a thinner point works fine in the heavy soil.

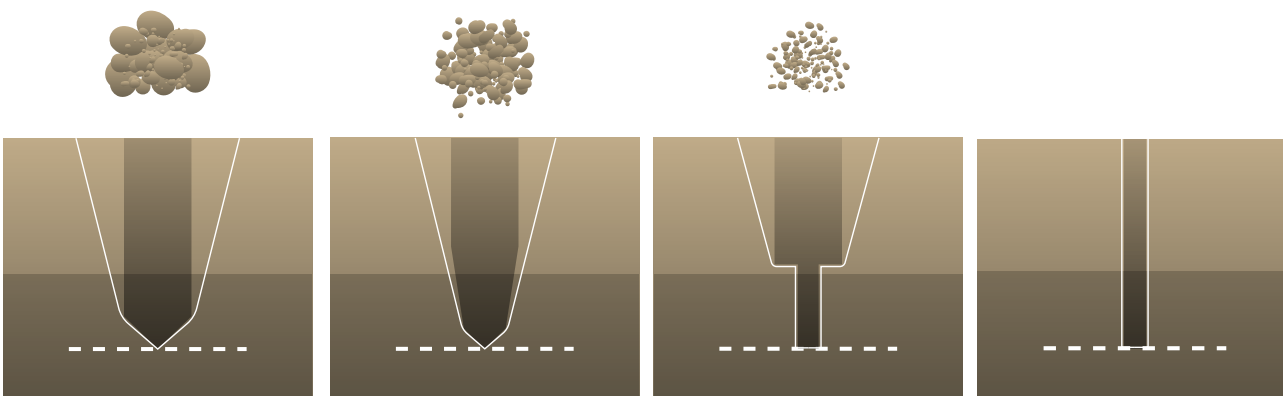
In wet years always choose a thinner point to minimise negative impacts on soil structure.



Self-compacting soils

During the vegetation period the self-compacting soil collapses, thereby decreasing the space available for root nutrient and moisture uptake.

The wider points delivers a complete loosening, full mixing and aeration of the soil profile.



The point tip impacts clod creation

Deeper layers in heavy soils tend to be more compact. If brought to the surface, this results in a high amount of clods. By selecting a point with a narrow tip, a finer tilth is created, thus saving additional soil preparation.

Complete range for all needs

Mixing points

To match the needs of all soil types, the Väderstad mixing points are available in working widths from 50 to 210mm. The working width of the point effects the clod creation, amount of soil mixed and fuel consumption.



LowDisturbance

The LowDisturbance point brings no soil to the surface, instead its focus is set on water management in wet years.

On the multipurpose cultivator TopDown, the discs works the topsoil while the LowDisturbance points breaks the soil to create drainage slots.



BreakMix

The BreakMix point combines the advantages of breaking compactions with a very intensive mixing. BreakMix adds versatility, lowers input cost and produces fine tilth.

The BreakMix point is intended for primary or secondary tillage, on farms with heavier soils with risks of compaction.



DeepLoosening

The DeepLoosening points breaks compactions in depth. By working as a compliment to the other points on the cultivator, the draught requirement is reduced while an additional pass with a separate machine is saved.

The DeepLoosening point is mounted to work down to 40cm on the rear tine row of the Opus or TopDown cultivator - either full coverage or in the wheel tracks.



Marathon



The economic and agronomic choice

Marathon is the family name for hard metal points at Väderstad. A hard metal point increases the working life up to 10 times, compared to a standard point. Most importantly, it offers several agronomical benefits.

The time aspect

Marathon makes sure that you are working in the field longer allowing you to take advantage of the optimal weather for productive work. No points need to be changed during the season which can be crucial in some years.

Maintained depth and mixing

Since the hard metal points are placed at the tip of the point, they maintain a perfect working depth throughout the full working life of the point. An additional benefit is that the amount of material mixed also remains the same.



Angled hard metal increases stone resistance

The Marathon hard metal is folded around the tip of the point. This gives it a very thick base where forces are diverted in two directions, which in turn makes it very stone resistant. An additional benefit is that it also prevents point wear from underneath which would otherwise eventually crack the hard metal.

Packer according to soil

On reconsolidating cultivators the packer is essential for a perfect working result. To maximise the performance great care should be taken in selecting the packer type according to soil conditions.





Full depth reconsolidation

The aim of the cultivator packer is to deliver full depth reconsolidation. This eliminates air pockets and restores the capillarity throughout the working depth of the cultivator. This allows the coming crop great access to soil moisture, improving the crop yield potential.

1

The importance of weight, aggressiveness and coverage

A full depth reconsolidation is achieved through the combination of weight, aggressiveness and coverage of the packer. The packer weight determines the pressure applied. Increasing the aggressiveness of the packer profile focuses the weight on a smaller area, improving its ability to transfer the weight downwards.

The coverage of the packer defines its ability to spread the pressure evenly throughout the full working width of the machine.

2

Consider

Contact surface important on lighter soil

To prevent bulldozing and insufficient depth keeping, the packer must run on top of the soil. A heavier soil has a higher carrying capacity than a lighter soil. This means that a lighter soil requires a larger contact area between the packer and the soil, while a heavier soil allows for a narrow contact area. When selecting the packer for lighter soil conditions, the packer contact surface needs to be considered.

Heavier soil requires aggressiveness

By applying high weight on narrow segments, the highly aggressive packer has greater ability to deliver reconsolidation at depth. This is crucial to reach full depth reconsolidation in heavier soils. An additional benefit comes from the fact that the aggressive packer profile minimises clods, securing a high degree of fine tilth. This means that the aggressiveness of the packer needs to be maximised on heavier soils.

Unique packer suspension

All Väderstad packers are equipped with packer suspensions. This reduces the shocks into the frame, drastically increasing the machine working life.





Double SteelRunner

- High coverage
- High aggressiveness
- Medium contact area
- High weight

Double steel packer, leaving a weatherproof consolidated surface. Scrapers keep the packer clean. Packer diameter: 600mm



Single SteelRunner

- High coverage
- High aggressiveness
- Narrow contact area
- High weight

*Steel packer with an aggressive profile. Scrapers keep the packer clean. Packer diameter: 600mm**



RubberRunner

- High coverage
- Low aggressiveness
- Large contact area
- High weight

Rubber packer with low bulldozing. Enables packer road transport for trailed machines. Pending scrapers keep the packer clean. Packer diameter: 600mm



Double SoilRunner

- Medium coverage
- Low aggressiveness
- Large contact area
- Medium weight

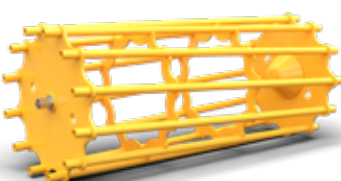
Double packer with a U-profile allows soil to work against soil, leaving an open surface. Packer diameter: 580mm



Single SoilRunner

- Low coverage
- Low aggressiveness
- Medium contact area
- Low weight

U-profile packer allows soil to work against soil, leaving an open surface. Packer diameter: 580mm



CageRunner

- Low coverage
- Low aggressiveness
- Large contact area
- Low weight

Cage packer with crumbling capabilities. Packer diameter: 600mm

** Cultus 300-350: 550mm*



Save passes with BioDrill

With the mountable small seeder BioDrill, a small-seeded crop such as oilseed rape or cover crops can be established in the same pass as the tillage operation. BioDrill provides accurate seeding at the same time saving passes on the field.



Precise radar control

BioDrill is equipped with a precise radar controlled metering system, ensuring an even distribution over the entire working width. This accuracy is fully measurable to a full-scale seed drill, important when drilling low seed rates or cover crop mixtures with varying seed sizes.



Exact seeding result

The BioDrill 360, fitted on the wider cultivator models, is equipped with a powerful hydraulic fan allowing for large quantities of seed to be uniformly distributed over a wide working width. The powerful fan ensures the seeding result remains constant in all field conditions.

The future of tillage is optimised

All working tools of TopDown and Opus can be set and adjusted from the cab – either manually or following a prescription map.

The next step after variable rate application of seed and fertiliser is to apply the same thinking to tillage. Here savings wait to be unleashed using the rule “as much as necessary, as little as possible”. Some of the benefits come as diesel savings and improved soil health, others by the possibility to increase the working speed as well as reducing the wear. In addition, this enables an autonomous farming future.



Variable soils enable diesel savings

Most fields have a variation of soil conditions within their boundaries. Heavier soils often mean challenges in creating a seedbed, while some lighter soils tend to self-compact, calling for a more intensive tillage. Today all soil types on a field are often being worked the same way. By adapting the tillage to the soil conditions, there is a possibility to save diesel while achieving the same yield.

Protect your most valuable asset

Soil should neither be worked too much or too little. By adapting the tillage to the actual needs, we make sure to disturb the soil as little as possible. This minimizes the possible negative impacts of tillage, such as carbon losses, moisture evaporation and erosion.



Loosen only where needed

On many fields there is soil compaction of some degree. The problem is that it is seldom evenly distributed. Many times, it is limited to the headlands and tramlines. By increasing the cultivation intensity only on problem areas, the rest of the field can be worked using less fuel.

A better residue handling

More residues generally mean a need for more working depth to incorporate them properly. Adapting the working depth to a yield map, enables a better germination and a more even crop.

A better reconsolidation

By adapting the reconsolidation pressure according to the working depth, soil type or moisture content in the soil, the following crop is guaranteed the best possible growth conditions.

Swift 400-870

Swift 400-870 is a trailed tine cultivator, designed to perform at peak level in both wet and dry years. You benefit from a spacious design, which can handle large quantities of crop residues. The narrow tine spacing results in an intensive mixing and even working result.



The models in the product family span from 4.0 to 8.7 metre working width.

Vibrating tines

The Swift tines provide effective mixing down to 20cm working depth. Since the tine vibrates with a frequency up to 100 times per second, it produces a very fine soil. An additional benefit comes from the fact that the vibrations result in less wear on points, lowering operating costs and time spent on servicing. The Swift tine is unique in its strength and therefore comes with a three-year warranty.

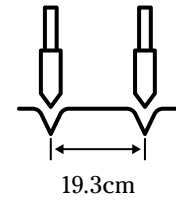
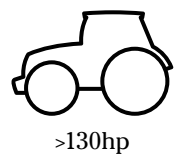
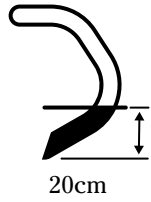
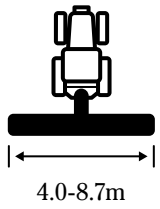
Unique frame construction

Each tine axle is equipped with two tines – one in front of the axle and one behind. This construction allows

for a narrow tine spacing of 19.3cm, providing intensive mixing over the entire working width. Swift's unique design offers a low machine weight which results in minimised draught requirement. Floating wings on the larger Swift models maintain a constant depth even in hilly conditions.

Depth setting from cab

A large distinct scale clearly displays the working depth, which is set hydraulically from the cab on the move. This allows the driver to adapt the working result to different soil types or varying conditions in the field.



Rear tools



Single following harrow



Double following harrow



Tiller

High capacity - low draught requirement



The vibrating Swift tines deliver an intensive mixing down to 20cm working depth.



To be able to adapt to varying soil conditions, the driver is able to adjust the intensity of the hydraulic levellers with millimetre precision on the move.

Cultus 300-400 and Cultus HD 300-400

The 3-4m tine cultivators Cultus 300-400 and Cultus HD 300-400 has powerful tines working down to 25- respectively 30cm depth. You benefit from a spacious frame construction with 85cm clearance offering impressive throughflow. Cultus and Cultus HD are the ideal cultivators for those looking for high quality working result, performance and durability.



Performance, where it matters the most

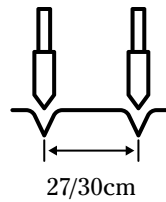
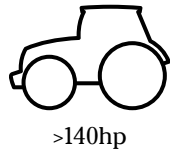
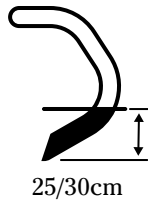
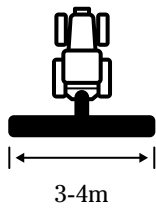
A key performance indicator of a cultivator tine is its ability to keep its high force to the soil at all times. This is where the 480kg Cultus tine is excellent, while the 680kg Cultus HD stands out from the crowd. If meeting a heavy obstacle, the Cultus tines are able to fully release out of the soil to pass the obstacle. When re-entering the soil, they will however keep its full power to quickly return to working position. In this way Cultus and Cultus HD are able to ensure an extremely accurate depth precision. This provides the coming crop with same growth conditions over the entire field.

Full control from cab

Cultus and Cultus HD are able to cultivate the soil down to depth, but the machines also work very well in shallow cultivation. To gain full control, the working depth is controlled hydraulically from the cab on all mounted versions. This makes Cultus and Cultus HD versatile precision cultivators on varying soil types.

Built to last

Cultus and Cultus HD have very strong 120x120mm frames, ensuring a long working life with minimal downtime in the field.



Packers mounted



Single SteelRunner



Single SoilRunner



Double SoilRunner



RubberRunner



CageRunner

Packers trailed



RubberRunner

Intensive cultivation



Cultus 300-400 and Cultus HD 300-400 are available either as trailed or mounted machines.



The Cultus and Cultus HD tines are able to work with high performance and depth consistency.

Cultus 425-525 and Cultus HD 425-525

The 4.25-5.25m mounted tine cultivators Cultus 425-525 and Cultus HD 425-525 has powerful tines working down to 25- respectively 30cm depth. The machines are built to deliver a state-of-the-art depth precision, while offering user-friendly handling in the field.



Performance, where it matters the most

A key performance indicator of a cultivator tine is its ability to keep its high force to the soil at all times. This is where the 480kg Cultus tine is excellent, while the 680kg Cultus HD stands out from the crowd. If meeting a heavy obstacle, the Cultus tines are able to fully release out of the soil to pass the obstacle. When re-entering the soil, they will however keep its full power to quickly return to working position. In this way Cultus and Cultus HD are able to ensure an extremely accurate depth precision. This provides the coming crop with same growth conditions over the entire field.

Built to last

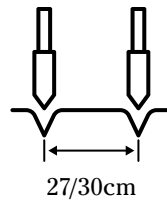
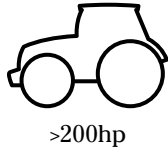
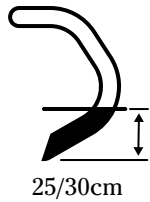
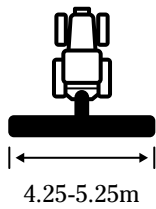
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Full control from cab

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Automatic leveller adjustment

The automatic leveller adjustment system Dynamic Control ensures the levellers are always working in the optimal position. This takes away the need for manual adjustment, and the driver does not have to worry about the important levelling performance.



Packers



Single SteelRunner



Single SoilRunner



Double SoilRunner

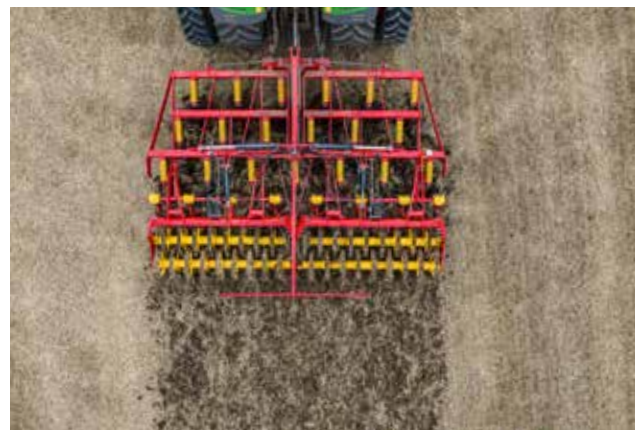


CageRunner

A new standard in mounted cultivators



The automatic leveller adjustment system Dynamic Control ensures the levellers are always working in optimal position.



Cultus 425-525 and Cultus HD 425-525 are designed to never compromise on their exact depth precision and high field performance.

Opus 400-700

Opus 400-700 is a powerful and versatile trailed tine cultivator with an impressive capacity. It is able to handle large amounts of crop residues while keeping the draught requirement moderate.



Extremely powerful tines

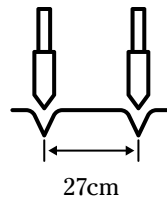
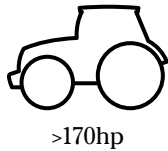
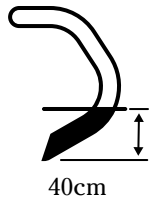
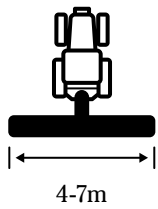
Opus is equipped with robust tines, which mix and loosen the soil down to 30cm working depth. With DeepLoosening points the depth increases to 40cm. The tines have a hydraulic stone release, which can be adjusted variably up to 700kg release force. Thanks to this high release force and its soil-seeking points, Opus is able to maintain a constant working depth in all field conditions.

Heavy-duty frame

The frame is designed for heavy use in tough conditions. It has three axles and 27cm tine spacing, which ensure an intense cultivation and good throughflow. The heavy tine cultivator Opus is built around a strong frame which can withstand high stresses extending the working life.

Always a level field

The levellers are fitted on a parallelogram, ensuring that the correct working angle is maintained at any depth. To be able to adapt to varying soil conditions, the driver is able to adjust the intensity of the hydraulic levellers with millimetre precision on the move.



Packers



Single SteelRunner



Double SteelRunner



Double SoilRunner

Power and versatility



Equipping Opus with the iPad-based E-Control system, enables full control as well as prescription map tillage.



The powerful Opus tines are equipped with a stone release with up to 700kg release force. This ensures depth is maintained down to 40cm working depth.

TopDown 300-700

TopDown 300-700 is a high intensity multipurpose cultivator, performing both a full-scale shallow cultivation and a deep cultivation in one single pass. By adapting the working result to different conditions in the field, TopDown delivers an unmatched performance.



TopDown reduce passes, preserves ground moisture, increases capacity and lowers the establishment costs.

Multiple operations in one pass

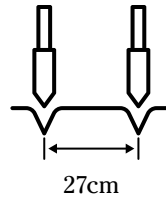
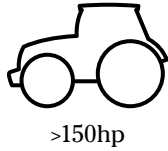
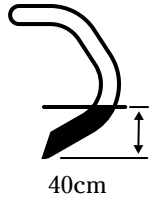
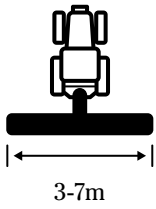
TopDown is a multipurpose cultivator, combining an intensive disc cultivator along with a robust three axle tine cultivator in the same machine. The 12.5cm spaced discs on individually suspended disc arms, creates fine tilth by cutting and mixing the top soil. The 27cm spaced tines then loosen and mix the soil and crop residues down to 30cm working depth. With DeepLoosening points the depth increases to 40cm. In the final two working zones, the leveller and packer then concludes by ensuring an even and fully reconsolidated surface.

High quality discs

The high quality discs are produced using specialist hardened Swedish V-55 steel. The discs provide intensive cutting and mixing of soil and crop residue. To adapt to varying soil conditions, the working intensity of the discs can be adjusted from the cab on the move. Thanks to the discs conical shape, they maintain the same working angle relative to the soil, irrespective of wear or working depth.

Effective mixing and loosening

With 27cm tine spacing, TopDown intensively mixes and loosens the soil down to 30cm depth. With DeepLoosening points the depth increases to 40cm. The 700kg stone release system maintains the correct working depth in all conditions, contributing to an even crop growth.



Discs



450mm Disc



470mm TrueCut

Packers



Single SteelRunner



Double SteelRunner



Double SoilRunner

Unmatched performance



By performing multiple operations, TopDown is able to create a good seedbed in one pass.



Equipping TopDown with the iPad-based E-Control system, enables full control as well as prescription map tillage.





Accessories



Drawbar and towing eye

The following options are available: towing eye 40/50mm, Ball coupling 80mm, Ball towing eye 42/51/71mm.



Linkage drawbar

Linkage drawbar Cat 2 or 3 with rigid or hydraulic push rod. For Swift 400-440.



Linkage drawbar

Linkage drawbar with towing eye and hydraulic push rod. For Swift 560-870.



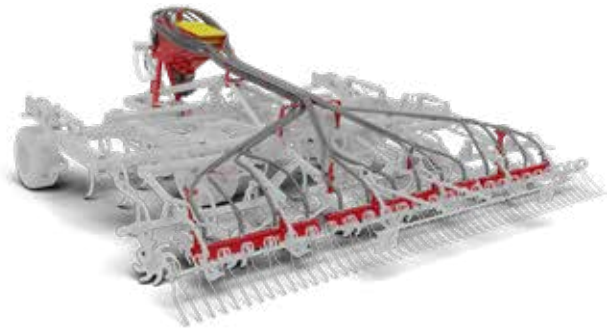
Rear drawbar for attachments

Rear drawbar allowing attachment of a roller behind the cultivator. For Swift 400-870.



BioDrill 180-250

BioDrill 180-250 for small seeds and cover crops.
For Cultus 300-400 and TopDown 300.



BioDrill 360

BioDrill 360 for small seeds and cover crops.
For Swift 400-720, Opus 400-700 and TopDown 400-700.



Fertiliser kit

Fertiliser kit with adjustable depth placement.
For Opus 400-700 and TopDown 300-700.



Spreader nozzles

Spreader nozzles for row seeding in line with cultivator.
For Opus 400-700 and TopDown 400-700.

	SW 400	SW 440	SW 560	SW 640
Working width (m)	4.05	4.44	5.60	6.36
Transport width (m)	3.0	3.0	3.0	3.0
Transport height (m)	2.8	3.0	3.6	3.4
Basic weight (kg)	2900	3000	3500	4500
Number of tines	21	23	29	33
Tine spacing (cm)	19.3	19.3	19.3	19.3
Wheel dimension	520/50-17	520/50-17	520/50-17	520/50-17
Depth adjustment	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Hydraulic requirements	4 DA	4 DA	4 DA	4 DA
Draught requirements (hp)	130-200	140-220	170-280	190-320

	SW 720	SW 870
Working width (m)	7.14	8.69
Transport width (m)	3.0	3.0
Transport height (m)	3.7	4.0
Basic weight (kg)	4600	5100
Number of tines	37	45
Tine spacing (cm)	19.3	19.3
Wheel dimension	520/50-17	520/50-17
Depth adjustment	Hydraulic	Hydraulic
Hydraulic requirements	4 DA	4 DA
Draught requirements (hp)	220-360	260-440

	CS 300	CS HD 300	CS350	CS HD 350	CS400	CS HD 400
Working width (m)	3.0	3.0	3.5	3.5	4.0	4.0
Transport width (m)	3.0	3.0	3.5	3.5	4.0	4.0
Transport height (m)	1.8	1.8	1.8	1.8	1.8	1.8
*Weight with RubberRunner (kg)	2000/2400	2240/2640	2230/2640	2500/2920	2530/2940	2830/3240
*Weight with Single SteelRunner (kg)	2040/-	2270/-	2270/-	2550/-	2580/-	2880/-
*Weight with CageRunner (kg)	1650/-	1880/-	1810/-	2090/-	N/A	N/A
*Weight with Single SoilRunner (kg)	1720/-	1950/-	1190/-	2170/-	2160/-	2220/-
*Weight with Double SoilRunner (kg)	1910/-	2140/-	2100/-	2400/-	2400/-	2700/-
Number of tines	10	10	12	12	13	13
Tine spacing (cm)	30	30	30	30	30	30
Wheel dimension	-/7.00-15	-/7.00-15	-/7.00-15	-/7.00-15	7.00-15	7.00-15
Hydraulic requirements	1-2 DA	1-2 DA	1-2 DA	1-2 DA	1-2 DA	1-2 DA
Draught requirements (hp)	120-200	120-200	140-220	140-220	160-240	160-240

* 3-point/Trailed

	CS 425	CS HD 425	CS 525	CS HD 525
Working width (m)	4.16	4.16	5.13	5.13
Packer width (m)	4.4	4.4	5.4	5.4
Transport width (m)	2.85	2.85	2.85	2.85
Transport height (m)	3.0	3.0	3.5	3.5
Weight with CageRunner HeavyDuty (kg)	3110	3480	3540	3980
Weight with single SoilRunner (kg)	3060	3430	3510	3950
Weight with double SoilRunner (kg)	3360	3730	3860	4300
Weight with single SteelRunner (kg)	3550	3930	4100	4540
Number of tines	16	16	19	19
Tine spacing (cm)	26	26	27	27
Hydr. requirements	2-3 DA	2-3 DA	2-3 DA	2-3 DA
Draught requirement (hp)	200-300	200-300	250-350	250-350

DA=Double action

	OS 400	OS 500	OS 600	OS 700
Working width (m)	3.75	4.75	5.75	6.75
Packer width (m)	4.0	5.0	6.0	7.0
Transport width (m)	3.0	3.0	3.0	3.0
Transport height (m)	2.7	3.2	3.6	4.0
Weight with Single SteelRunner (kg)	5600	6200	8400	9000
Weight with Double SoilRunner (kg)	5200	5600	7900	8500
Weight with double SteelRunner (kg)	6000	6300	8600	9200
Number of tines	14	18	22	26
Tine spacing (cm)	27	27	27	27
Wheel dimension	520/50-17	520/50-17	560/45-22.5	560/45-22.5
Hydraulic requirements standard	3 DA	3 DA	3 DA	3 DA
Hydraulic requirements E-Services	2 DA+P/FR/LS	2 DA+P/FR/LS	2 DA+P/FR/LS	2 DA+P/FR/LS
Draught requirements (hp)	170-220	210-260	270-320	320-370

	TD 300	TD 400	TD 500	TD 600
Working width (m)	2.65	3.75	4.8	5.75
Packer width (m)	3.0	4.0	5.0	6.0
Transport width (m)	3.0	3.0	3.0	3.0
Transport height (m)	1.9	2.7	3.2	3.6
Weight with Single SteelRunner (kg)	4400	6200	7000	9100
Weight with Double SoilRunner (kg)	4000	5800	6500	8100
Weight with Double SteelRunner (kg)	4400	6400	7100	8900
*Number of discs	22	30	38	46
Number of tines	10	14	18	22
Tine spacing (cm)	27	27	27	27
Wheel dimension	520/50-17	520/50-17	520/50-17	560/45-22.5
Hydraulic requirements standard	3 DA	3 DA	4 DA	4 DA
Hydraulic requirements E-Services	N/A	2 DA+P/FR/LS	2 DA+P/FR/LS	2 DA+P/FR/LS
Draught requirements (hp)	150-200	200-240	250-300	300-360

	TD 700
Working width (m)	6.75
Packer width (m)	7.0
Transport width (m)	3.0
Transport height (m)	4.0
Weight with Single SteelRunner (kg)	9900
Weight with Double SoilRunner (kg)	8700
Weight with Double SteelRunner (kg)	9700
*Number of discs	54
Number of tines	26
Tine spacing (cm)	27
Wheel dimension	560/45-22.5
Hydraulic requirements	4 DA
Hydraulic requirements E-Services	2 DA+P/FR/LS
Draught requirements (hp)	350-420

* Number of discs on front tool

DA=Double action

P=Power Beyond

FR=Free return

LS=Load Sensing

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