

**DALBO®**

**SUPERIOR QUALITY.  
CULTIVATING YOUR  
FUTURE.**



MADE IN  DENMARK

# DALBO OFFERS A VERSATILE AND WIDE RANGE OF CULTIVATORS



**At DALBO, craftsmanship, ingenuity and decades of experience create the basis for producing high-quality agricultural machinery. We have been supplying quality machines to farmers all over the world since 1948.**

DALBO A/S was founded in 1948 and has more than 70 years of experience in the agricultural industry. We specialise in the development and production of high-quality agricultural implements. DALBO is a Danish pioneer in rollers, seedbed harrows, stubble implements and front presses. DALBO remains at the forefront of technological development in order to meet the need for efficient and reliable machines in modern agriculture. We maintain a permanent dialogue with the

market and provide market-appropriate solutions to companies of all sizes, where flexible production and short delivery times are both top priorities.

DALBO products are sold through specially trained dealers and importers located around the world. This professional network brings localised service and support close to customers.

# DALBO CULTIVATORS



## SPECIALISED MACHINES

Modern agriculture is very demanding in terms of the versatility of machines, as new and different types of soil preparation require highly specialised machines. The narrow time window in which the various phases of cultivation and preparation of the fields can be carried out presents a challenge to many farmers.

These new and demanding conditions for farmers have led us to develop and rethink the approach to machines used for soil preparation. We achieve this through innovation and continuous testing, improving design and construction, by utilising our vast experience in manufacturing cultivators and, most importantly, by listening to our customers.

## BENEFIT OF PREPARING THE SEEDBED

The phenomenon of using cultivators for various types of soil preparation is not a new one and over time has become fairly common. At DALBO, we have focused on developing and manufacturing innovative and powerful cultivators, which has benefited farmers since the mid 80s. This ensures that the yield is optimised and the work is facilitated in a well-established seedbed. Our ground-breaking MULTIFLEX, which was launched in 1986, meant that we were able to offer our first trailed cultivator, which was available in a number of working width from 3 to 6 metres. Today, our range spans from working widths of 3 metres and all the way up to 12.4metres. With the wide range of cultivators available at DALBO we're able to configure the best solution to suit your needs and soil type.

It is important to maintain a constant depth in the seedbed for all seed types, as uneven seedbeds result in different sowing depths and uneven germination. A seed sown below the correct level uses a great deal of its energy on breaking through, which will affect its yield potential.

## OUR CULTIVATION RANGE

At DALBO, we want to help the farmer choose the right cultivator to suit his conditions. We therefore have divided our cultivators into two categories.

- » Seedbed Cultivator – for seedbed preparation and secondary cultivations.
- » Stubble Cultivator – for post harvest primary cultivation.

## DALBO'S INNOVATION AND UNIQUE CHARACTERISTICS

- » Fully hydraulic folding and unfolding of sections enable switching from driving on roads to field operation without leaving the tractor.
- » Automatic transport security for optimal safety during transport.
- » Unique frame design and construction that provides a low centre of gravity, great stability and excellent durability.
- » Sealed and Greasable ball bearings from reputable suppliers ensure a long life and simple maintenance.
- » LED lighting. Safety for you and all others on the road.
- » Shaft made of high-tensile steel.
- » Strong frames made of quality steel and high-tensile steel.
- » DUOFLEX system that allows individual movement for each harrow section, thus ensuring optimal ground contact, regardless of the contours and irregularities of the ground.
- » Hydraulic weight distribution in combination with DUOFLEX ensures an evenly distributed ground pressure over the entire working width.

# SEEDBED CULTIVATORS



Irrespective of the type of seedbed cultivator used, some fundamental elements must be present in order to achieve good crop establishment. Apart from moisture, all other elements are under the farmer's control, and a well-established seedbed is a must for all crops. DALBO's quality seedbed harrows can be adapted to all soil types.

## **BENEFIT OF A WELL-ESTABLISHED SEEDBED**

The same basic conditions for all seed types and even germination are necessary in order to achieve a good yield. This is namely a well-established seedbed that maintains a constant depth and takes the seed to be sown into account.

The larger the seed size, the deeper the seedbed should be.

Uneven seedbeds result in different sowing depths and uneven germination. A poorly established seedbed with uneven germination could also increase the need for using pesticides or mechanical cleaning, as weeds will have better conditions to thrive among the small or poorly established crops.

The well-established seedbed consists of a consolidated base at a constant depth with loose, porous soil without large clods on top. This will ensure the seed's access to water and nutrients from the firm base where the water can be drawn up, while the loose soil at the top will make it easy for the seed to germinate and break through. A loose soil without clods will, at the same time, dislodge habitats for slugs and other pests that thrive in cloddy soil, in which they have many opportunities to hide and reproduce.

The ideal seedbed can be achieved by using any one of DALBO's cultivators and can be adapted to the individual farmer's needs, as our seedbed cultivators are constructed using strong frames and harrow tines, which ensure extremely stable harrowing and even depth in the seedbed. The cultivators have also been constructed using various levelling and packing options to ensure the optimal seedbed.

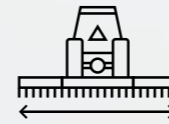
## **A STRONG SELECTION OF CULTIVATORS**

We offer a total of four different categories of seedbed cultivators.

- » CULTILIFT is a mounted cultivator available in working widths from 3.00 to 8.00 m.
- » CULTITRAIL is a trailed cultivator available in working widths of 5.00 and 6.00 m.
- » CULTIMAX is a 3 part heavy duty trailed cultivator in the working widths from 5.50 to 10.00 m.
- » ROLLOMAXIMUM is a high precision seedbed cultivator available in working widths from 6.20 to 12.40 m.

# ROLLOMAXIMUM

## 620-1240



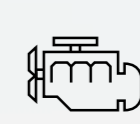
**WORKING WIDTH**  
6.20-12.40 M



**TRANSPORT WIDTH**  
3.00 M



**WORKING DEPTH**  
3-15 CM



**HORSEPOWER**  
> 175



**WEIGHT**  
6,970-12,970 KG



## ROLLOMAXIMUM

The ROLLOMAXIMUM is the premium precision seedbed cultivator on the market, designed for extremely efficient and accurate preparation of seedbeds in a single pass. The front and rear roller sections ensure a constant and precise working depth of the ROLLOMAXIMUM's tines, as well as optimal levelling and consolidation of soil, which results in a perfect seedbed.

## CONCEPT

Our ROLLOMAXIMUM is a unique hybrid of a 4-row seedbed cultivator: cracker board, levelling board and two roller sections. It was developed to meet the growing demands for improved germination of high value crops.

The unique construction of the ROLLOMAXIMUM enables you to create a seedbed in a single pass in most soil types.

This means that the ROLLOMAXIMUM achieves a very high capacity without compromising on the quality of the work performed.

The six operating zones of a ROLLOMAXIMUM are:

1. Wheel track eradicator, which eradicates compaction left from the tractor.
2. Cracker board, which crushes clods and begins leveling the seedbed.
3. First roller section, cast iron Crosskill rollers work to further break down and level the seedbed.
4. 4 row tine sections, which are controlled accurately to the desired depth via the hydraulic system.
5. Rear leveling board.
6. Rear pressed steel Crosskill roller, leaves a fine and even finish to the seedbed.

ROLLOMAXIMUM creates the optimal seedbed, thereby helping to increase yields by up to 1.5 tonnes/hectare, especially for the cultivation of beet, maize and other specialist crops.

The ROLLOMAXIMUM is available in 6.2 and 7.5 m vertical folding and 9.3 and 12.4 m horizontal folding. All models fold to 3 m for safe road transport.

## STANDARD EQUIPMENT

- » Fully hydraulic folding and unfolding. Allowing you to go from transport position to working position without leaving the tractor.
- » LED lighting.
- » Strong frames made of high-tensile steel.
- » Hydraulic weight distribution via DUOFLEX ensures an evenly distributed ground pressure over the entire working width, regardless of the contours of the ground.

- » DUOFLEX with individual working sections.
- » Automatic transport security for optimal safety during transport.
- » 4 row tine section with 8 cm spacing.
- » Hydraulic cracker board.
- » Crosskill roller front and rear.
- » Rear spring suspended levelling board.
- » Hydraulic brakes and hydraulic jack on 930 and 1240.
- » Hydraulic parallel-suspended cracker boards on 930 and 1240.
- » Hydraulically sprung Crosskill roller section on 930 and 1240.

## CRACKER BOARD

Hydraulically adjustable cracker board tines with angled wearing points. This makes it ideal for crushing clods and levelling the soil so that the roller section can work as effectively as possible. The working angle of the cracker board on ROLLOMAXIMUM 620 and 750 is set hydraulically and at the same time adjusts how aggressively the soil is tilled. The working angle on the 930 and 1240 is mechanically pre-set via spindles, and the working depth is controlled hydraulically

via parallelogram suspension for field operation. This means that the pre-set tine angle is not affected by the change in working depth, which makes it possible to maintain an aggressive tine position regardless of the working depth. This results in a more intensive crushing of clods and an optimal leveling effect. Each cracker board section is individually suspended and adjustable.



## CAST IRON CROSSKILL ROLLER

Moulded Crosskill rings are heavy types of rings, primarily used to prepare seedbeds in combination with a hydraulic cracker board to leave a fine seedbed. The topsoil layer is loose, while the soil just below the surface is firmer. This is the ideal seedbed with optimal germination conditions. For extremely light soil types, we can provide either a bogie U-ring configuration or Ø500 mm cage roller.

On the 930 and 1240 versions, each roller section is hydraulically suspended and can raise 18 cm in a vertically upward direction. This ensures a long service life of the roller rings, as the individual sections can go clear of stones and major unevenness in the field without having to lift the entire harrow.



## ACCESSORIES AND EXTRA EQUIPMENT

- » Bogie U-ring packer
- » Track eradicators
- » Cage roller
- » Air brakes
- » Hydraulic brakes (optional on 620 and 750, standard on 930 and 1240)
- » Harrow section, 3 rows of stubble tines
- » Rear solid bar

## HARROW SECTION

The harrow sections are divided into sections of 1.58 or 1.89 m and consists of 4 rows of heavy duty straight tines as standard. The tine spacing is 8 cm with a 30 cm spacing between each row. This ensures an even flow of soil and surface material through each section. Each harrow section is suspended in a parallelogram, ensuring a consistent and even working depth across the width of the machine.

The hydraulic depth adjustment allows the driver to set the depth steplessly from 3 to 15 cm. The standard 4-row tine section can be replaced by 3 rows of stubble tines. The tine consists of a sturdy 25 mm tine with goose point, where the tine spacing is 260 mm and spacing between the rows is 475 mm, which allows material to flow through evenly.



## LEVELLING BOARD

The spring suspended levelling board crushes clods and levels the soil after the harrow tines.

## REAR STEEL CROSS KILL RINGS

The rear pressed steel Crosskill rings are a lighter version of the well-known moulded Crosskill ring and ensure a precise and constant working depth together with the front roller section. They leave a loose upper layer of soil, which is firm just below the surface, and this provides the optimal seedbed.

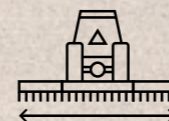


## TECHNICAL DATA

TYPE	ROLLOMAXIMUM 620	ROLLOMAXIMUM 750	ROLLOMAXIMUM 930	ROLLOMAXIMUM 1240
Transport width	3.00 m	3.00 m	3.00 m	3.00 m
Transport height	3.50 m	4.00 m	4.00 m	4.00 m
Weight with Crosskill roller	6,970 kg	7,745 kg	10,470 kg	12,970 kg
Wheels	520/50-17	520/50-17	700/40-22.5	700/40-22.5
Min. power requirements	175 HP	225 HP	275 HP	350 HP
Number of tines	80 pcs.	96 pcs.	120 pcs.	160 pcs.
Number of cracker board tines	21 pcs.	27 pcs.	51 pcs.	69 pcs.

# CULTILIFT

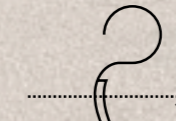
## 300-800



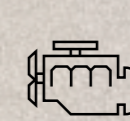
**WORKING WIDTH**  
3.00-8.00 M



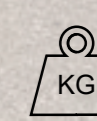
**TRANSPORT WIDTH**  
3.00 M



**WORKING DEPTH**  
3-15 CM



**HORSEPOWER**  
> 80



**WEIGHT**  
1,280-2.975 KG



CULTILIFT is a heavy-duty mounted seedbed cultivator designed for cost-effective seedbed preparation. The standard configuration includes a mechanically adjustable levelling board, a 4-row harrow section and a depth adjustment roller at the rear. This provides an optimal combination of levelling, harrowing and consolidating for subsequent sowing.

### CONCEPT

Our CULTILIFT is a good choice for seedbed preparation on small and medium-sized farms with all soil types. It is manufactured

in the well-known DALBO quality and offers great value for money. Our mounted seedbed cultivator comes with simple and thoroughly tested solutions as standard, which provides an affordable solution and excellent durability. The excellent programme of equipment makes it possible to adapt the CULTILIFT to your specific purpose, which provides you with better value and efficiency.

The various combinations of options allow the individual farmer to easily specify a CULTILIFT to fit their needs and soil type.

### STANDARD EQUIPMENT

- » Fully hydraulic folding and unfolding of sections. Switching from driving on roads to field operation without leaving the tractor.
- » 4 rows of heavy duty spring tines, with 80 mm spacing and 350mm between each row.
- » Ø400 mm rear cage roller.
- » Front levelling board.
- » Support wheels on CULTILIFT 700 and 800.
- » Strong frames made of quality steel.

## LEVELLING BOARD

The board crushes clods and levels the soil before the harrow sections. This allows the soil to be packed, resulting in evenly leveled soil across the entire working width.

You can also fit a full cracker board and have the option to make it hydraulically adjustable across the entire working width.



## HARROW SECTION

The harrow section on the CULTILIFT consists of 4 rows fitted with S-spring tines as standard. Tine spacing is 80 mm evenly distributed over the working width and spacing between the rows

is 350 mm. This ensures optimal harrowing and cultivating of soil, as well as a good soil flow in the harrow.



## CAGE ROLLER

The CULTILIFT is fitted with a cultivation depth roller at the rear. This ensures that the harrow depth is precise and even across the entire working width.

The roller leaves a packed firm base with a porous surface, which creates an optimal foundation for a good seedbed.



## ACCESSORIES AND EXTRA EQUIPMENT

- » Hydraulic adjustment of the front levelling board
- » Ø500/450 mm Crosskill roller, rear
- » 12 mm rear harrow between the last row of tines and rear roller
- » Levelling board between the last row of tines and rear roller
- » Straight tines, 45 x 10 mm
- » Rear solid bar
- » Support wheels for 600
- » Track eradicators
- » LED lighting
- » Front cracker board
- » Ø600 mm T-rings

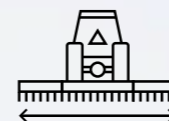
## TECHNICAL DATA

TYPE	CULTILIFT 300	CULTILIFT 500	CULTILIFT 600	CULTILIFT 700	CULTILIFT 800
Working width	3.00 m	5.00 m	6.00 m	7.00 m	8.00 m
Transport width	3.00 m	3.00 m	3.00 m	3.00 m	3.00 m
Number of tines	37 pcs.	62 pcs.	75 pcs.	87 pcs.	99 pcs.
Weight	1,210 kg	2,225 kg	2,500 kg	2,775 kg	2,975 kg
Min. power requirements	80 HP	110 HP	140 HP	150 HP	180 HP



# CULTITRAIL

## 500-600



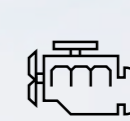
**WORKING WIDTH**  
5.00-6.00 M



**TRANSPORT WIDTH**  
2.50 M



**WORKING DEPTH**  
3-15 CM



**HORSEPOWER**  
> 100



**WEIGHT**  
2,300-2,550 KG



CULTITRAIL is a trailed seedbed cultivator with a transport width of only 2.50 m. The simple construction is equipped with a hydraulically adjustable cracker board and a 5-row harrow section with spring tines, which provides an exceptional cultivating effect. A CULTITRAIL is simplicity and productivity combined in one machine.

### CONCEPT

Our CULTITRAIL is an excellent tool for farmers who need a simple, yet efficient, seedbed cultivator.

The frame is designed without compromising the distribution of the harrow tines. A CULTITRAIL, therefore, has a perfect tine configuration with at least 400 mm to the nearest tine. This design ensures a fantastic flow of soil and plant residues with minimal risk of blockages.

A CULTITRAIL can be equipped with various options to suit each customer's individual needs. A CULTITRAIL will help you to produce optimal seedbeds, regardless of the combination of options you choose.

### STANDARD EQUIPMENT

- » Fully hydraulic folding and unfolding of sections. Switching from driving on roads to field operation without leaving the tractor.
- » LED lighting.
- » 5 rows consisting of 45 x 10 mm tines with inter row spacing of 440mm
- » Standard tine spacing of 80 mm or 160 mm when fitted with goose-foot point
- » Heavy-duty hydraulic cracker board.
- » Strong frames made of quality steel.

## CRACKER BOARD

CULTITRAIL is equipped with a hydraulically adjustable cracker board. The board consists of sturdy 80 mm spring tines and is fitted with 200 x 12 mm angled wearing points. This makes it ideal for crushing clods and levelling the soil, thereby leaving the soil loose and even.

In order to achieve optimal working conditions for, and thereby the effect of, the cracker board, we recommend a working speed of 8-12 kph.



## GOOSEFOOT POINT

CULTITRAIL can also be fitted with a sturdy double spring tine fitted with a goosefoot point. This configuration is good for cultivating stubble or previously cultivated soil. The tine spacing in this setup is 160 mm, which ensures a good passage for soil and plant residues through the cultivator.



## HARROW SECTION

The harrow section on the CULTITRAIL consists of 5 rows fitted with sturdy S-spring tines as standard. Tine spacing is 80 mm which is evenly distributed over the working width and spacing between

the rows is 440 mm. This ensures optimal cultivation and mixing of soil, as well as providing an easy passage for soil and plant residues through the cultivator.



## ACCESSORIES AND EXTRA EQUIPMENT

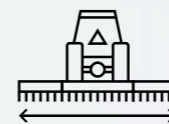
- » 1-row harrow with 12 mm harrow tines, rear
- » Straight tines, 45 x 10 mm
- » Track eradicator
- » Cage roller/packer Ø400 mm, rear
- » Rear leveling board
- » Rear steel crosskill roller
- » Flat bar roller/packer Ø400 mm, rear

## TECHNICAL DATA

TYPE	CULTITRAIL 500	CULTITRAIL 600
Transport width	2.50 m	2.50 m
Transport height	2.90 m	3.40 m
Working width	5.00 m	6.00 m
Number of tines	63 pcs.	77 pcs.
Number of cracker board tines	18 pcs.	22 pcs.
Number of tines on rear harrow	42 pcs.	50 pcs.
Number of goose feet	32 pcs.	39 pcs.
Weight	2,300 kg	2,500 kg

# CULTIMAX

## 550-1000



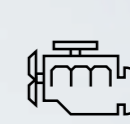
**WORKING WIDTH**  
5.50-10.00 M



**TRANSPORT WIDTH**  
3.00-4.00 M



**WORKING DEPTH**  
3-15 CM



**HORSEPOWER**  
> 100



**WEIGHT**  
2,850-4,400 KG



CULTIMAX is a heavy-duty 7-row seedbed cultivator with high working capacity. It's an ideal cultivator for seedbed preparation on ploughed soil. Due to its innovative range of accessories, CULTIMAX can be used for many different purposes in the area of seedbed preparation.

### CONCEPT

Our trailed CULTIMAX seedbed cultivator is an optimal solution for both medium and large-sized farms. The hydraulically adjustable cracker board crushes clods as well as producing a level finish of the soil. This, combined with a tine spacing

of 80 mm and a row spacing of at least 310 mm, ensures optimal cultivating and leveling, as well as an excellent flow of soil and plant residues through the cultivator. A precise and constant working depth is achieved by using special c clip spaces on the hydraulic rams for the wheel suspension.

Together with DALBO's hydraulic weight distribution via DUOFLEX, which ensures an evenly distributed ground pressure over the entire working width, CULTIMAX is a very efficient and versatile seedbed cultivator that can be adapted to individual needs of the customer.

### STANDARD EQUIPMENT

- » Fully hydraulic folding and unfolding of sections. Switching from driving on roads to field operation without leaving the tractor.
- » LED lighting.
- » Strong frames made of quality steel.
- » 7 rows of heavy duty spring tines.
- » Tine spacing 80 mm.
- » Hydraulic weight distribution.
- » 2 sets of bogie wheels 300/55/14.5.
- » Hydraulic cracker board, front.
- » Hydraulic weight distribution via DUOFLEX ensures an evenly distributed ground pressure over the entire working width, regardless of the contours of the ground.
- » DUOFLEX with individual working sections.

## CRACKER BOARD

CULTIMAX is equipped with a hydraulically adjustable cracker board. The board consists of sturdy 80 mm sprung loaded cracker board tines and is fitted with 200 x 12 mm angled wearing point. This makes it ideal for crushing clods and levelling the soil, thereby leaving the soil loose and even.

In order to achieve optimal working conditions for, and thereby the effect of, the cracker board, we recommend a working speed of 8-12 kph.



## HARROW SECTION

The harrow section on the CULTIMAX consists of 7 rows fitted with heavy-duty S-spring tines as standard. Tine spacing is 80 mm evenly distributed over the working width and spacing between

the rows is at least 310 mm. This ensures optimal cultivating and mixing of soil, as well as providing an easy passage for soil and plant residues through the cultivator.



## LIGHT SOIL MODEL

For optimal use and results on lighter soil types, we have developed a CULTIMAX light soil variant, which is available in 2 working widths, a 650 and an 800 version. The light soil model consists of a T-ring packer at the front and a Crosskill packer or cage roller at the rear, which bears 100% of the machine's weight.

This results in a precise adjustment of depth and compression of the soil. The 4 bogie wheels have been replaced with 4 large wheels in order to make the machine easier to handle and turn at the headland on light soil.



## ACCESSORIES AND EXTRA EQUIPMENT

- » Ø400 mm cage roller
- » Ø400 mm bar iron roller
- » 400 mm flat steel crumbler
- » Rear cracker board
- » 1-row rear harrow with 12 mm tines
- » Coupling for rear drawbar
- » Straight tines, 45 x 10 mm
- » Air brakes
- » Rear Crosskill roller
- » Track eradicators

## TECHNICAL DATA

TYPE	CULTIMAX 550	CULTIMAX 650	CULTIMAX 800	CULTIMAX 900	CULTIMAX 1000
Transport width	3.00 m	3.00 m	3.00 m	3.00 m	4.00 m
Transport height	2.65 m	3.15 m	3.90 m	4.40 m	4.40 m
Working width	5.50 m	6.50 m	8.00 m	9.00 m	10.00 m
Number of tines (10 x 45 mm, 80 mm spacing)	72 pcs.	82 pcs.	100 pcs.	112 pcs.	124 pcs.
Hydr. cracker board at front – standard (number of tines)	20 pcs.	24 pcs.	28 pcs.	32 pcs.	36 pcs.
Options: Hydr. cracker board at rear (number of tines/weight)	20 pcs.	24 pcs./400 kg	28 pcs./470 kg	32 pcs./530 kg	36 pcs./600 kg
Heavy-duty rear harrow (number of tines/weight)	45 pcs./100 kg	53 pcs./125 kg	65 pcs./150 kg	73 pcs./170 kg	81 pcs./200 kg
Spare wheel	1 pc./40 kg	1 pc./40 kg	1 pc./40 kg	1 pc./40 kg	1 pc./40 kg
Flat bar roller **	420 kg	540 kg	670 kg	750 kg	850 kg
Crosskillroller **	220 kg	260 kg	320 kg	360 kg	420 kg
Ø400 mm cage roller **	400 kg	540 kg	670 kg	750 kg	-
Min. power requirements	100 HP	140 HP	170 HP	220 HP	280 HP

\*\* Not in connection with rear harrow.

# STUBBLE CULTIVATOR



Good tillage is important to facilitate the work in the field and ensure a good yield. Therefore, a solid and reliable stubble cultivator that works well at depth is important for ensuring that the soil is well mixed and the crops are provided with optimal conditions. This in turn provides the best yield. A stubble cultivator helps to control weeds and stimulate the breakdown of straw and plant residues in the stubble field, ensuring that it is prepared for next year's crops. A DALBO cultivator ensures that the soil is optimally mixed while leaving the soil well packed and even. This produces optimum soil conditions for subsequent drilling.

## THE SIGNIFICANCE IS IN THE DETAILS

We have developed, manufactured and sold agricultural implements for over half a century, which is why we know that durability and smooth functioning machinery is of paramount importance for our customers.

With a focus on implementing this basic view in all corners of the company, we are proud to be able to supply innovative and durable machines to modern farmers all over the world. One of our foremost tasks at DALBO is to be able to help farmers with the challenges they face in their work.

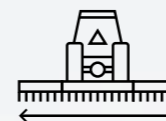
## STUBBLE CULTIVATOR

We offer two different categories of stubble cultivator.

- » TRIMAX is a mounted cultivator available in working widths from 3.00 to 5.20 m.
- » TRIMAX is a trailed cultivator that can be supplied in working widths of 5.20 and 6.30 m.

# TRIMAX

300-520



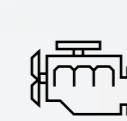
**WORKING WIDTH**  
3.00-5.20 M



**TRANSPORT WIDTH**  
3.00-4.10 M



**WORKING DEPTH**  
MAX. 35 CM



**HORSEPOWER**  
> 150



**WEIGHT**  
1.550-4,060 KG

The TRIMAX stubble cultivator is known for its impressive mixing effect of stubble and soil while providing a nice and level seedbed finish to make the following work easier. The TRIMAX is ground-breaking in that it has the largest ground clearance on the market at 90 cm and a unique 3D stone protector developed by DALBO.

## CONCEPT

Our mounted TRIMAX is the perfect solution for farms of any size. It is equipped with a very robust and high frame construction, which makes working in stubble fields with a large amount of straw easier, as the harrow does not get blocked. It is also excellent for breaking through ploughed soil when allowed to work at depth.

The TRIMAX NSH is equipped with specially designed 3D hydraulically sprung tines, which protect the frames and other mechanical parts of the harrow. After the tines, the ground is levelled off by means of spring-suspended serrated discs. These are mechanically adjusted and leave a level surface after the harrow tines. Finally, there is a Ø600 mm T-ring cage roller, which crushes the clods left by the cultivator and supports its weight.

The power requirement depends on the depth of the harrow and soil type. A power requirement of approx. 50 hp per metre working width is recommended for cultivating at a speed of 8-12 km per hour under normal soil conditions, but less will be needed when normal stubble cultivating on light soils is carried out.

## STANDARD EQUIPMENT

- » Fully hydraulic folding and unfolding of sections. Switching from driving on roads to field operation without leaving the tractor.
- » LED lighting.
- » Tine spacing 275 mm.
- » 50 x 20 reversible points.
- » Mixing disc incl. side disc.
- » Ø600 T-ring packer.
- » 3D stone protection or shear bolt (shear bolts only available on working width 300 and 470)
- » Ground clearance 90 cm.
- » Strong frames made of quality steel and high-tensile steel.

## HYDRAULIC 3D STONE PROTECTION

The TRIMAX is equipped with specially designed 3D hydraulically sprung tines. These are located with a tine spacing of 275 mm, which is distributed over 3 rows and with 70 cm between the rows. The 3D stone protection ensures that the tines are protected when in contact with stones and helps relieve heavy loads on the

harrow's frame construction and other mechanical parts. The 3D stone protection allows the tine to move 40 cm up and 15 cm to the side when driving over larger stones, and the system is built on a rotating bracket with discs springs and a hydraulic cylinder.



## HYDRAULIC DEPTH ADJUSTMENT

Hydraulic depth adjustment ensures optimal cultivation over the entire field, as the depth of the harrow is continuously adjusted according to the condition of the field. The bearing cage roller

is adjusted steplessly from inside the tractor, which also helps optimise fuel consumption, as the working depth can be adjusted according to the requirements of the field.



Auto reset leg



Shear bolt option

## ACCESSORIES AND EXTRA EQUIPMENT

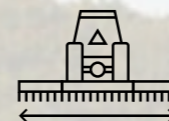
- » Wing share
- » Hydraulic depth adjustment, standard on TRIMAX 520
- » 1 and 2-row harrow
- » Electronic depth scale
- » P-Box SpeedTronic seed drill for subsequent crops
- » Tines with hard metal coating

## TECHNICAL DATA

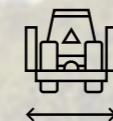
TYPE	TRIMAX 300 SHEAR BOLTS	TRIMAX 300 NSH LIFT	TRIMAX 410 NSH LIFT	TRIMAX 410 NSH LIFT FOLDABLE	TRIMAX 520 NSH LIFT FOLDABLE
Transport width	3.00 m	3.00 m	4.10 m	3.00 m	3.00 m
Transport height	2.00 m	2.00 m	2.00 m	3.00 m	3.00 m
Working width	3.00 m	3.00 m	4.10 m	4.10 m	5.20 m
Weight	1,550 kg	2,050 kg	2,750 kg	3,500 kg	4,060 kg
Weight /metre	517 kg/m	684 kg/m	671 kg/m	671 kg/m	781 kg/m
Sections	1	1	1	3	3
Working depth	0-30 cm	0-30 cm	0-30 cm	0-35 cm	0-35 cm
Tines	11	11	15	15	19
Discs	8	8	11	11	14
Tine spacing	27.50 cm	27.50 cm	27.50 cm	27.50 cm	27.50 cm
Frame height	90 cm	90 cm	90 cm	90 cm	90 cm
Row spacing	70 cm	70 cm	70 cm	70 cm	70 cm
Working speed	8-12 km/h	8-12 km/h	8-12 km/h	8-12 km/h	8-12 km/h
Hydraulic connections	–	1xSA	1xSA	2xDA, 1xSA	2xDA, 1xSA
Min. power requirements	150 HP	150 HP	225 HP	225 HP	300 HP
Release pressure per tine (max.)	–	585 kg	585 kg	585 kg	585 kg
Hydraulic depth adjustment	–	Optional	Optional	Standard	Standard

# TRIMAX

520-630



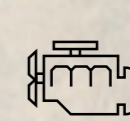
**WORKING WIDTH**  
5.20-6.30 M



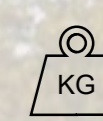
**TRANSPORT WIDTH**  
3.00 M



**WORKING DEPTH**  
MAX. 35 CM



**HORSEPOWER**  
> 300



**WEIGHT**  
7,800-8,500 KG



The TRIMAX trailed cultivator has been developed as a result of the increasing demand for implements with larger working width, and DALBO has constructed the trailed variant with all the excellent features from the well-known lift version, plus more besides. The TRIMAX is ground-breaking in that it has the largest ground clearance on the market at 90 cm, as well as a unique 3D stone protection developed by DALBO.

## CONCEPT

Our trailed TRIMAX stubble cultivator is known for its excellent incorporation of stubble and soil and is a fantastic solution for larger farms. It is equipped with a very robust and high frame construction with a ground clearance of 90 cm, which makes working in stubble fields with a large amount of straw easier, as the cultivator does not get blocked. It is also excellent for breaking through ploughed land when allowed to work at depth.

The TRIMAX is equipped with specially designed 3D hydraulically sprung tines, which protect the frames and other mechanical parts of the cultivator.

After the tines, the ground is levelled off by means of spring-suspended discs. The discs are mechanically adjusted and leave a level surface after the harrow tines. Finally, there is a Ø600 mm bogie T-ring cage roller, which crushes any clods left by the cultivator and supports its weight.

The power requirement depends on the depth of the cultivator and soil type. A power requirement of approx. 60 hp per metre working width is recommended for cultivating at a speed of 8-12 km per hour under normal soil conditions, but less will be needed when cultivating stubble on lighter soil types.

## STANDARD EQUIPMENT

- » Fully hydraulic folding and unfolding of sections. Switching from driving on roads to field operation without leaving the tractor.
- » LED lighting.
- » Lift feature
- » 50 x 20 reversible points.
- » Serrated mixing discs incl. side disc.
- » 3D stone protection.
- » Hydraulic brakes, optional for 520.
- » Hydraulic depth adjustment with hydra c clips.
- » Wheels 600/50x22 TWIN.
- » Ø600 mm T-ring packer (bogie).



## HYDRAULIC 3D STONE PROTECTOR

The TRIMAX is equipped with specially designed 3D hydraulically sprung tines. These are mounted with a tine spacing of 275 mm, which is distributed over 3 rows and with 70 cm between the rows. The 3D stone protector ensures that the tines are protected when driving over stones and helps relieve heavy loads on the

harrow's frame construction and other mechanical parts. The 3D stone protector allows the tine to move 40 cm up and 15 cm to the side when driving over larger stones, and the system is built on a swiveled bracket supported by a hydraulic ram.



## DEPTH ADJUSTMENT

Optimal tillage, mixing of soil and plant residues are ensured by setting the correct cultivation depth. The depth on the towed TRIMAX is set by adjusting the support wheels at the front of

the cultivator and setting the height of the bogie T-ring packer. This is achieved by means of the stroke limiters on the cylinders.



## ACCESSORIES AND EXTRA EQUIPMENT

- » P-Box SpeedTronic seed drill for subsequent crops and rapeseed incl. 1-row harrow
- » Wing share
- » Tines with hard metal coating
- » Hydraulic brakes on 520
- » Air brakes



## TECHNICAL DATA

TYPE	TRIMAX 520 NSH TRAILED	TRIMAX 630 NSH TRAILED
Transport width	3.00 m	3.00 m
Transport height	3.50 m	4.00 m
Working width	5.20 m	6.30 m
Weight	7,800 kg	8,500 kg
Sections	3	3
Working depth	0-35 cm	0-35 cm
Tine spacing	27.50 cm	27.50 cm
Ground clearance	90 cm	90 cm
Row spacing	70 cm	70 cm
Working speed	8-12 km/h	8-12 km/h
Hydraulic connections	1xSA, 4xDA	1xSA, 4xDA
Min. power requirements	300 HP	400 HP
Wheels	600/50 x 22.5 twin	600/50 x 22.5 twin
Release pressure per tine (max.)	585 kg	585 kg
Hydraulic brakes	Optional	Standard

# DEPTH ADJUSTMENT, RINGS & TINES

## DEPTH CONTROL – ELECTRONIC DEPTH SCALE

DALBO has developed an electronic depth scale, which allows you to read the working depth and tine position of the rows of tines via an LCD display located in the tractor's cab. This is performed via an ultrasound sensor located on the relevant section of the machine.

The electronic depth scale in the cab is intended as a replacement for, or supplement to, the mechanical depth scale on the implement. The mechanical depth scale can sometimes be difficult and strenuous to read under dusty conditions.

It is even more difficult or impossible to read in semi- or complete darkness during the long working days of the season. The problem is solved by the LCD display in the cab.

Thanks to the information on the LCD display, the tractor driver can quickly adjust the aggressiveness and working depth of the tine rows after each turn at the headland, thereby achieving uniform cultivation depth and tillage. At the same time, the driver's working day is significantly improved, as it is no longer necessary to sit in a turned position and look back in order to achieve the desired harrow depth.

There are many benefits:

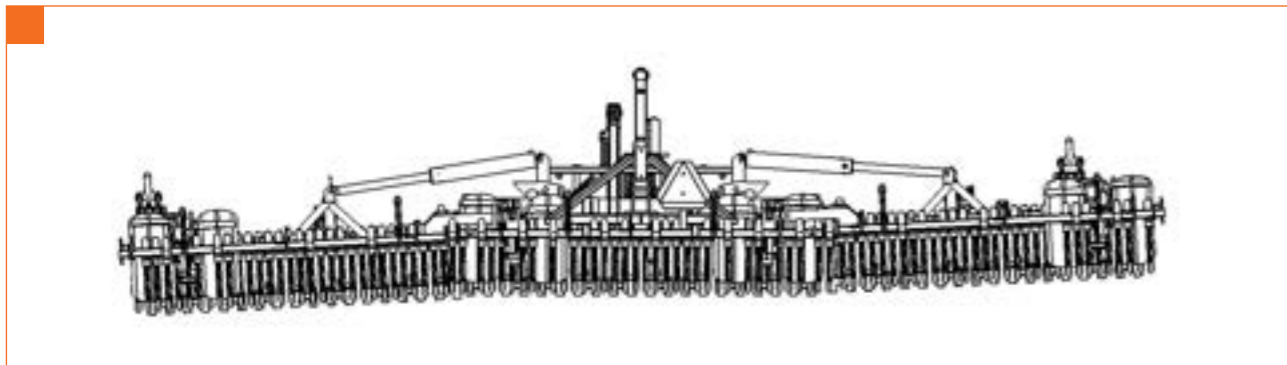
- » Clear overview of the task at hand, regardless of the conditions in terms of light and dust.
- » Greatly improved ergonomics for the driver.
- » Reduced diesel consumption by means of uniform and shallow harrowing.
- » Increased uniformity in soil cultivation.
- » Option for monitoring two job functions.



## DUOFLEX

The DUOFLEX system allows individual movement for each section, thus ensuring optimal ground contact, regardless of the contours and irregularities of the ground. At the same time, a uniform weight distribution over the entire working width is ensured. The DUOFLEX system with hydraulic weight distribution has

accumulators that allow each harrow section to freely follow the ground surface. At the same time, powerful cylinders transfer weight from the middle section to the outer sections of the harrow in order to ensure uniform weight distribution for the entire working width.



## CROSSKILL RING

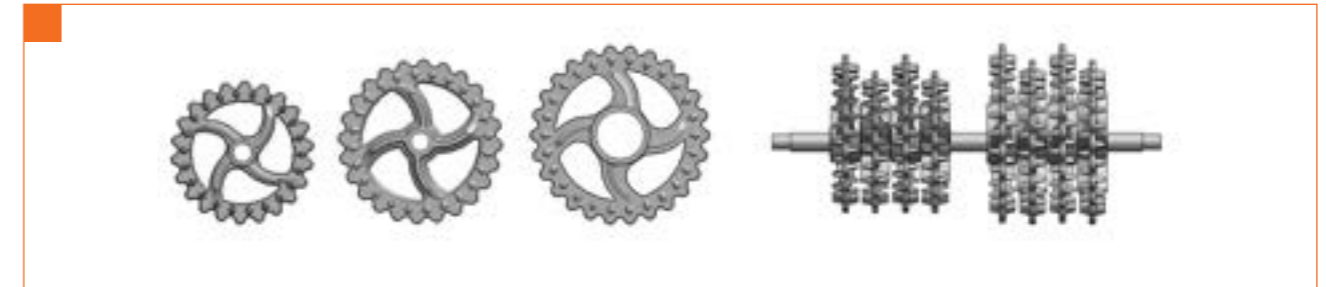
The Crosskill rings are always mounted on the axles in pairs using one large and one small ring. The small ring is in a fixed position, while the large ring moves freely. The large ring has a much larger centre hole, which allows it to move freely at approx. 6 cm upwards when it rotates. This movement means that the Crosskill rings are self-cleaning.

The crosskill ring is excellent for seedbed preparation, for most soil types.

The crosskill ring is also fantastic when used in a DALBO roller towed behind our CULTIMAX seedbed cultivator.

It leaves an ideal seedbed with a solid layer of soil at the bottom and a surface less prone to capping.

The high-quality casting of our Crosskill rings allows us to offer a 3-year warranty on the rings.



## CROSSKILL RING, STEEL

Crosskill rings in steel have been specially developed by DALBO and contain all the good properties of the classic cast iron Crosskill ring. The rings are particularly suitable for crushing clod, cultivating the soil and creating a uniform consolidation of the soil for a good seedbed.

The steel ring is lighter and has a flatter design, which produces a solid and more superficial consolidation compared to our cast iron Crosskill ring. The Steel Crosskill rings are ideal for light and medium soil types, where they produce a nice porous surface.

The Steel Crosskill rings are available in two sizes, or: 030 cm and 045 cm.

## T-RINGS

The T-ring has been developed by DALBO for packing and depth control on various machines. The large 60 cm diameter of the T-ring makes it particularly suitable for packing very light soil types where, due to its design, it packs in depth, preserves a crumb structure and controls the depth of the machine extremely accurately.

The slightly undulating soil surface left by the T-ring helps to prevent or minimise sand blowing. The T-ring functions as a soil-to-soil packer, which means that the design of the T allows soil to settle so that there is no wear on the T-ring itself during work.

## TINES



**Cultivator tine - S-tine**

The cultivator tines lift the soil and promote drying.



**Jackpot tine - straight tine**

The Jackpot tine is preferred for heavier soils.



**Hardened tips for S-tine and straight tine**

Hardened tips provided with a reinforcement that extends the service life by up to five times.



**Wing shears**

Wing shears make it difficult for weeds to grow.



**Narrow tine for TRIMAX**

The narrow tine is particularly suitable for loosening and aerating the soil - in contrast to a straighter tine that pushes its way through the soil to a greater extent.



**Hardened narrow tine for TRIMAX**

Carbide version equipped with an extra wear layer that extends the service life by up to twice.



**Wing shears with a full cut**

Wing shears with a full cut make it difficult for weeds to grow and lift and aerate the soil.

**DALBO®**



MADE IN  DENMARK

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