

Vibro Crop



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Inter-row cultivator  
with vibrating tines

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## Save Herbicides use a Vibro Crop

The price of chemicals for the controlling of weeds is very high. This can be reduced by the use of band spraying in combination with an interrow cultivator by almost 50 percent.

The Kongskilde Vibro Crop with the combination of vibrating S-tines and rolling shields enables the user to work the maximum area possible between the rows as well as maintaining a high working speed. The Vibro Crop is designed to give absolute accuracy both above and below the working surface. Each individual unit is a separate cultivator with its own depth wheel and parallelogram suspension. This ensures that the shares are always working at the correct depth.

The Kongskilde S-tines are not only cutting the weeds but are also vibrating the weeds free from the surrounding soil, so that they can die on the soil surface. In conjunction with this they are also aerating the soil and improving the drainage without disturbing the soil structure.

For improved accuracy, whilst working minimum depths, a specially designed tine is available.

The Vibro Crop is equipped with stabilizing discs to make the machine self-steering, even on undulating land and around corners.

Row widths up to 55 cm are cultivated with 3 tines on each parallelogram. Distances from 55 cm and above are cultivated with 5 tines.

### Stabilizing discs

In conjunction with loose tractor check chains the Vibro Crop is ensured of following the correct course even on undulating and sloping land whilst still maintaining a high working speed.

### Parallel guiding

The parallelogram suspension ensures that the shares remain at a constant working depth over an uneven surface. It also absorbs any sideways movement that may be incurred.

### Vibrating S-tines

The vibrating patented S-tines penetrate precisely to the pre-determined depth. It vibrates to give a shattering effect on the weeds.

The weeds are raised to the surface, the soil is shaken from their roots, ensuring they die quickly.

Due to the vibrations the soil is aerated. Warmth and moisture retention is improved.

Two different types of tine are available, the UNIVERSAL-tine and the VCO-tine.

The VCO-tine, standard on the VCO-3, is specially designed to work very precisely at shallow working depths.

The very small but powerful vibrations results in an improved cleaning effect causing minimum soil sideways throw.



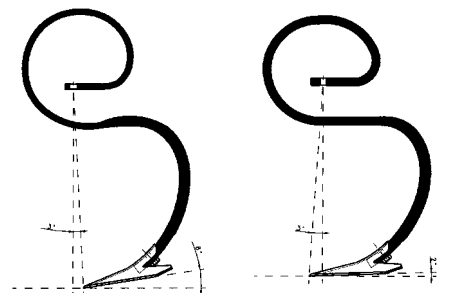
Spring loaded stabilizing disc.



Depth control with spindle.



3-tined row section for row spacings from 45 – 55 cm.



UNIVERSAL-tine.

VCO-tine for vulnerable crops.



### Rolling Shields

These protect the leaves and roots of the crop as well as preventing weeds, seeds and untreated soil from being thrown onto the crop rows.

The stepless adjustable shields can be adjusted in width from 7 cm. They are fitted on the parallelogram.

The specially designed shields mini-mise the area in contact with the soil and the quantity of soil thrown onto the crop.

Just by lifting the plantshield it can be automatically locked in raised position.

### Independent unit - Independent control

Each individual unit is a separate self-contained cultivator with its own depth control and parallelogram suspension.

The depth control wheel with a diameter of 29 cm and a width of 10 cm makes the section very stable in maintaining the uniform depth. The depth control wheel is adjustable by means of a spindle from 0-7 cm. It is a puncture proof tyre manufactured from rubber and nylon which is earth repellent. This ensures that even in humid conditions soil will not stick to the tyre. The axle has totally sealed bearing units.

### Connection brackets

For mounting the Vibro Crop onto the tractor, the machine is equipped with 3 separate moveable connection brackets. Each bracket can be adjusted in the optimal way in relation to tractor make, model and 3 point hitch category (1, 2 or 3).

In order for the Vibro Crop to follow the tractor correctly it is essential that the lower link arm brackets on the machine are adjusted correctly.

If the lines of the lower link arm are extended forward until they meet, this point should be approximately 1/3 of the distance between the tractors' wheel axles.

With this correct setting the Kongs-kilde Vibro Crop works accurately and precisely, even at high working speeds

### Hydraulic folding machines

Machines wider than 3 meter can all be equipped with a special folding beam. Folding and unfolding is achieved with 2 double acting cylinders, which are activated from the tractor.

### Adjustable row width

To alter the spacing between the individual units is very straight forward. Adjustments in row spacing is done by one single bolt on each unit.



Independent moveable connection brackets.



Patented system for locking/unlocking.



5-tined row section for row spacings from 55 - 80 cm.

# Technical specifications

## Standard

Vibro Crop (3-tines)	Vibro Crop (5-tines)
<ul style="list-style-type: none"> <li>• Heavy duty parallelogram</li> <li>• Spindle depth adjustment</li> <li>• Wheel 4"x12"</li> <li>• 3 punch ball VCO-tines</li> <li>• Adjustable rolling shield</li> <li>• Stabilizing disc</li> <li>• Adjustable 3-point hitch</li> <li>• 3 x 13,5 cm share</li> </ul>	<ul style="list-style-type: none"> <li>• Heavy duty parallelogram</li> <li>• Spindle depth adjustment</li> <li>• Wheel 4"x12"</li> <li>• 5 punch ball UNIVERSAL-tines</li> <li>• Adjustable rolling shield</li> <li>• Stabilizing disc</li> <li>• Adjustable 3-point hitch</li> <li>• 5 x 13,5 cm share</li> </ul>

## Rows widths 45-55 cm (3 tines)

Model	Number of rows	Frame width cm	Transport width cm	Type of folding	Number of tines	Number of discs	Weight kg
VCO-3-430	4	300	300	-	13	1	410
VCO-3-530	5	300	300	-	16	1	465
VCO-3-630	6	300	300	-	19	1	555
VCO-3-637	6	370	370	-	19	1	570
VCO-3-737	7	370	370	-	22	1	600
VCO-3-747	7	470	470	-	22	2	645
VCO-3-847	8	470	470	-	25	2	700
VCOF-3- 637	6	370	290	hydr.	19	2	645
VCOF-3- 737	7	370	290	hydr.	22	2	705
VCOF-3- 747	7	470	290	hydr.	22	2	720
VCOF-3- 847	8	470	290	hydr.	25	2	780
VCOF-3- 947	9	470	290	hydr.	28	2	840
VCOF-3- 967	9	670	290	hydr.	28	2	870
VCOF-3-1067	10	679	290	hydr.	31	2	925
VCOF-3-1167	11	670	290	hydr.	34	2	985
VCOF-3-1267	12	670	290	hydr.	37	2	1045

## Row widths 55-80 cm (5 tines)

Model	Number of rows	Frame width cm	Transport width cm	Type of folding	Number of tines	Number of discs	Weight kg
VCO-5-430	4	300	300	-	21	1	455
VCO-5-437	4	370	370	-	21	1	470
VCO-5-537	5	370	370	-	26	1	540
VCO-5-547	5	470	470	-	26	2	585
VCO-5-647	6	470	470	-	31	2	655
VCOF-5-437	4	370	290	hydr.	21	1	545
VCOF-5-537	5	370	290	hydr.	26	1	615
VCOF-5-547	5	470	290	hydr.	26	2	660
VCOF-5-647	6	470	290	hydr.	31	2	730
VCOF-5-867	8	670	290	hydr.	41	2	-

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