

KONGSKILDE

VIBRO TILL 2800



Minimum tillage cultivator designed for field and transport

Kongskilde Vibro Till 2800 is a trail type cultivator designed for minimum tillage stubble and seedbed work. Working widths available from 5 m to 9 m. Wing sections fold hydraulically over 3 m frame providing a narrow transport width of approximately 3.4 m for ease of passage through gates and bridges.

Each frame section has walking tandem wheels to provide uniform load distribution and depth control in the field. The cultivator is built flexibly to ensure each section will follow the soil surface independently.

The machine is perfectly balanced with walking tandem wheels positioned under the centre line of the main frame. This construction provides for uniform depth control and stability both in field and on the road. Front mounted gauge wheels provide further stabilization to larger wing sections during field operation.

A sturdy single point clevis hitch enables easy hook-up for the tractor operator and eliminates excess stress to the tractor associated with other conventional fully mounted machines in this size range.

The Kongskilde Vibro Till 2800 is modular in design allowing machine construction out of the same components regardless of size. Machines can be expanded to accommodate larger h.p. tractors and larger farm areas.



Optional equipment to complete the work

Optional types of levelling and finishing attachments are available for the Vibro Till 2800. Choice of 3 bar spike-flex, 5-bar spike flex, combi flex/spiral roller and double spiral rollers available in order to best suit function to soil type and task to be achieved.

The attachments are split into narrow sections, to work independently and follow the soil surface with a greater degree of accuracy. Each S-roller is uniformly supported with spring loaded arms to ensure equal pressure on all sections. Double S-rollers are also mounted independently to ensure the small irregularities of one roller will not disturb the work of the other. The S-rollers are made with durable spiral bars with a high degree of "twist" to reduce lumps and ensure a greater inversion of soil resulting in a more homogeneous blend.



Vibro Till 2800 with single S-roller and Flex harrow.

The flex harrow has rows of heat-treated spikes for longer life. Flexible connections ensure equal mixing of soil and residue and provide a level surface in minimum till conditions.



The long drawbar makes turning easy.



The walking tandem wheels ensure an even working depth in uneven conditions.



The largest models have support wheels for the side sections. This stabilises the working depth.



The tines are mounted on sturdy square profiles.

Flexible and efficient

The modern field cultivator must adapt both conventional and minimum tillage requirements and meet demands of good agronomy, e.g., germination, moisture preservation while meeting capacity and durability demands in heavy task conditions. The new Vibro Till 2800 fulfils these demands.

A deep 330 cm tubular frame construction allows an optimal 5 - 6 row tine pattern maximizing residue clearance. Choice of conventional 12 x 65 mm conser-tine or new high clearance heavy duty 16 x 65 mm VTH conser-tine available on a choice of 8 cm, 10 cm or 16 cm spacing. This provides greater flexibility to achieve modern future farming stubble and seedbed tasks.

The vibrant S-tine action in combination with the central placement of large walking tandem wheels assures depth accuracy and seedbed uniformity when the machine is utilized for seedbed preparation in minimum tillage operations.



Vibro Till type 2800-80.



Wings fold hydraulically to a narrow transport width of approx. 3.4 m. The overcentre, locked position assures stability and safe transport.



The cultivator frame made of high quality steel has been stress tested to ensure durability.



The powerful hydraulic system ensures slow and stable lifting and lowering of the centre frame and the side sections.



Flex Harrow with S-roller.



5-row tines.

Technical data

Type	2800-50	2800-60	2800-70	2800-80
Working width, cm	500	600	700	800
Transport width, cm	300	300	300	300
Transport height, cm	230	280	330	380
No. of tines	33	39	45	51
Spacing, cm	16	16	16	16
Wheels:				
Centre frame	4 pcs. 9,5x15	4 pcs. 9,5x15	4 pcs. 9,5x15	4 pcs. 9,5x15
Side section	2 pcs. 9,5x15	2 pcs. 9,5x15	2 pcs. 9,5x15	2 pcs. 9,5x15
Support, side section				2 pcs. 9,5x15
Weight kg – Vibro Till	2250	2600	2950	3300
Weight, kg – Flex Harrow	731	824	984	1106
S-roller				
Weight, kg – Double S-rollers	653	726	905	982
Weight, kg – 5-rows Flextines	447	499	536	691
Weight, kg – 1-row Flexboard	141	149	207	214
Approximate hp*	125-200	150-240	175-280	200-320

* hp requirement to be used as guide only – depends on moisture and soil conditioner.

S-tines from Kongskilde the high-tech product



Vibro Till 2800 is delivered with the sturdy Kongskilde S-tines type VTH.

Kongskilde is known world wide as a market leader in S tine technology. S tines have been developed to perfection. The construction of each part of the tine decides how the shares work in the soil. An S-tine is composed of the spring, the stalk and the share. It is well known that the share width, shape and angle have a great influence on the tine's work.

The springs control the tine movement in the soil

The springs are also of importance for the movements of the tines. Depending on the dimensions and the hardening, the tine movements will be large or small, slow or more aggressive.

The spring shape also influences on the movements of the tines. On the Vibro Till 2800 the springs have a cross section of 12 x 65 mm or 16 x 65 mm. The thickness ensures the necessary strength, and the

narrow profile compared to what is usual for stubble harrows gives the tines powerful movements both forward, back and sideways. By building the cultivator with a maximum tine distance of only 16 cm and working with vibrations, an unusually intensive soil treatment is obtained with a stubble harrow.

The construction also ensures that all of the area is treated evenly in depth, and the field is not left with heavy tine tracks.

Kongskilde forges the springs for S-tines with a slightly oval profile. This makes sure that the springs can withstand the aggressive tine vibrations without splitting. With the oval profile there are no strong tensions at the edge of the steel, which happens in tines made out of ordinary flat steel.



Kongskilde Industries A/S
 Skælskørvej 64
 DK-4180 Sorø • Denmark
 Tel. +45 33 68 35 00 • Fax. +45 33 68 86 20
 mail@kongskilde.com
 www.kongskilde.com