

HE-VA Sub-Tiller



Feel the **Force** ...



HE-VA
SUB-TILLER

Sub-Tiller

- The sub-surface force

Feel the force with a Sub-Tiller. HE-VA's range of Sub-Soilers is designed for minimum power requirement. The Sub-Tiller is loosening and lifting the soil effectively without bringing large unwanted clods and stones to the surface.



Strong construction in V-formation

The construction in V-formation ensures a good clearance and an even surface. The tine spacing is infinitely variable depending on the actual working task (only the central tine is fixed). This means that the Sub-Tiller can easily be set for e.g. tramline loosening with some tines removed.

HE-VA Sub-Tiller is available in 6 different frame models: 2.0 m, 2.5 m, 3 m, 3.5 m and 4 m rigid as well as 4 m and 5 m with hydraulic folding. Each single model is available with the number of tines which meets the individual need of any farm.



4 m and 5 m models can be folded into a transport width of 2.43 m.



The working depth is controlled exactly by the hydraulic adjustable packing roller. At the depth scale the driver can exactly see the actual working depth.

STONE PROTECTION

For stony soil types a Sub-Tiller with hydraulic automatic release system is recommended. By a hydraulic cylinder mounted on each tine which is connected to two gas accumulating tanks, an automatic swing of a tine is ensured, if it comes into contact with unmovable stones. This system is also functioning as a shock absorber in stony soils, where it will catch the vibrations.



This unique Quick-Push stone protection consists of one special designed shearbolt with 8 steps per bolt, which will be cut over if a tine hits a stone. After a break of a shearbolt, remove the R-clip - place the shearbolt one notch forward, and after having mounted the R-clip again, the driver can continue the work - Simple and easy without using any tools.



ROLLER TYPE



The ø600 mm V-profile is a serrated pressed steel with a shoulder providing aggressive breaking of clods and a surface finish. Effective scrapers between the rings making a preparation and sticky soil conditions possible.



The ø550 mm square tube roller with sectional tubes - ensures an excellent control and breaks clods in light soils.



The star roller 450/500 mm (synonymous with the width) is built up by cast steel and breaks the soil with a loose structured and a shaped surface.

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HE-VA Sub-Tiller has a working depth of 600 mm. The tines have 20° lifting angle for lifting a soil in the depth. The tine average width and uneven surface.

The hardened steel cast wearing point is designed for minimum power requirements. It is mounted at the bottom with an extra protection on the side of the tine whereas it is not mounted on top in order to break/cultivate the soil to a minimum. The durable point is mounted on one bolt resulting in an easy and quick maintenance.



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TINE

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Till-Seeding

- Till-Seeding of rape and cover crops/green manure



Till-seeding of the three plants to the left.



The Sub-Tiller mounted with a HE-VA Multi-Seeder opens up the possibility of creating the optimal growth conditions for rape or cover crops such as mustard or oil radish.

When seeding together with soil loosening, plough pan or other

structural damages are broken - meaning that the roots of the plants have free access to grow/develop into the deeper strata of soil. Hereby the plants' tap roots can get nutrients and in dry periods water from the deeper strata of soil.



Multi-Seeder – fine seed equipment - specially adapted for exact seeding of rape.

PERFECT SEEDING AND SOIL LOOSENING IN ONE PASS:

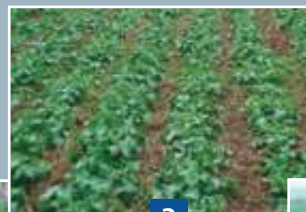


1

Till-seeding is performed in uncultivated stubble.

Perfect germinating and well protected against bad weather.

2

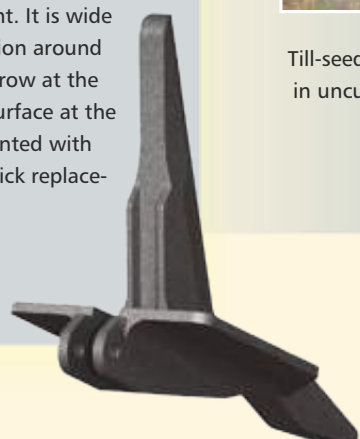


3

Optimal plant development with low growth height.

Strong developed plant forms the basis of good yield.

4



EXTRA EQUIPMENT:

Disc Ø450mm in front of tine

- stone protected via rubber suspension, bearings without maintenance (not f/retro mounting).



Drain-Torpedo - for establishment of drain tunnels in the soil.



Wearing points - 3 types of wearing points are available. As standard the machine is delivered with 200 mm wing shares. Also available with wearing points with 120 mm or 350 mm wing shares.

Point, longlife - w/tungsten tip and extra protection against wearing on the tine.



Easy Draft Kit - 15 mm tine w/120 mm wearing point "ED" with tungsten tip. Available for retro mounting too.

Sub-Tiller

Specifications

Working width	Type of stone protection	No. of tines	"Standard-mounted" row spacing mm *	Transport width m	Power requirement HP	Weight kg			
						Square tube roller	V-profile roller	Star roller 450/500 mm (synchronous 300 mm in the width)	
2.00 m rigid Cat. 2/3	Quick-Push shearbolt	2	1,500	2.00	60-80		1,165		
		3	670	2.00	90-120		1,250		
	Hydr. automatic release system	2	1,500	2.00	60-80		1,235		
		3	670	2.00	90-120		1,355		
2.50 m rigid Cat. 3/4	Quick-Push shearbolt	2	1,800	2.50	60-80	900	1,415		
		3	900	2.50	90-120	985	1,500		
	Hydr. automatic release system	2	1,800	2.50	60-80	970	1,485		
		3	900	2.50	90-120	1,090	1,605		
		Quick-Push shearbolt	2	2,000	3.00	60-80	975	1,595	
			3	1,000	3.00	90-120	1,060	1,680	
3.00 m rigid Cat. 3/4	Hydraulisk automatic release system	2	2,000	3.00	60-80	1,050	1,665		
		3	1,000	3.00	90-120	1,170	1,785		
	Quick-Push shearbolt	5	600	3.00	135-200	1,230	1,850		
		2	2,000	3.00	60-80	1,050	1,665		
3.50 m rigid Cat. 3/4	Quick-Push shearbolt	5	650	3.50	140-200	1,310	2,030		
		7	500	3.50	190-280	1,480	2,200		
	Hydr. automatic release system	5	650	3.50	140-200	1,490	2,210		
		7	500	3.50	190-280	1,720	2,440		
4.00 m rigid Cat. 3/4	Quick-Push shearbolt	7	570	4.00	200-280	1,560	2,380		
	Hydr. auto. release sys.	7	570	4.00	200-280	1,640	2,620		
4.00 m hydr. Cat. 3/4	Quick-Push shearbolt	7	570	2.43	200-280	1,910	2,730		
	Hydr. auto. release sys.	7	570	2.43	200-280	1,990	2,970		
5.00 m hydr. folding Cat 3/4	Quick-Push shearbolt	7	650	2.43	200-280	2,070	3,090		
		9	555.5	2.43	260-360	2,240	3,260		
	Hydr. auto. release system	7	650	2.43	200-280	2,150	3,450		
		9	555.5	2.43	260-360	2,390	3,690		

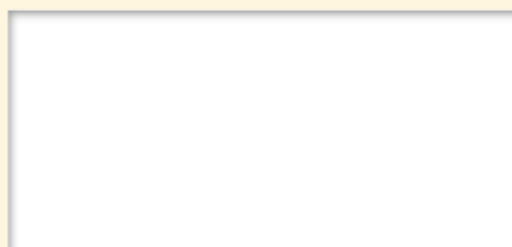
* The "standard-mounted" row spacing can be adjusted to min. 500 mm



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